

20020418.qrp v02\_n529.qrl.20020418

Date: Thu, 18 Apr 2002 19:03:12 EDT  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2529

QRP-L Digest 2529

Topics covered in this issue include:

- 1) [124985] Re: SMT Parts Source Needed  
by "Leon Heller" <leon\_heller@hotmail.com>
- 2) [124986] Re: ARRL Beacons  
by "Brian Murrey" <brian@iquest.net>
- 3) [124987] Re: G5RV - Use a Balun  
by "James R. Duffey" <jamesd1@flash.net>
- 4) [124988] Re: [TenTec] cone Antenna PHOTO of how to wind them which band? URL  
and testing raised over ground.  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 5) [124989] K1 pack?  
by Goemans <jgoemans@facstaff.wisc.edu>
- 6) [124990] Need the following transistors for Jim Musgrove, K5BGH  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 7) [124991] Re: [TenTec] cone Antenna PHOTO of how to wind them which band?  
by IamSF5@aol.com
- 8) [124992] Loop efficiency at 80m?  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 9) [124993] The basics?  
by hamjoel@juno.com
- 10) [124994] Mobile ham sticks  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 11) [124995] Re: CW Audio Filter?  
by "Graeme Zimmer" <gzimmer@bigpond.com>
- 12) [124996] Re: Mobile ham sticks  
by Larry Cahoon <lejek@erols.com>
- 13) [124997] Re: Mobile ham sticks  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 14) [124998] Mobile whips  
by Bill ROWLETT <kc4atu@yahoo.com>
- 15) [124999] Re: Mobile ham sticks  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 16) [125000] Small, helical antenna, and no radials required, honest!  
by Alex <kr1st@amsat.org>
- 17) [125001] For Sale/Trade  
by "Jay Henson" <aj4ay@worldnet.att.net>
- 18) [125002] NEQRP CW Net, 18 April 2002, 8:30PM EST, 3.565 MHz  
by Chuck Ludinsky <cjl@mitre.org>

- 19) [125003] NETXQRP Club Meeting 20 Apr '02  
by Chuck Carpenter <w5usj@9plus.net>
- 20) [125004] Eight (8) Pin Mini-Din  
by Ed Manuel <emanuel@datacomdesign.com>
- 21) [125005] Re: Eight (8) Pin Mini-Din  
by brickle <brickle@pobox.com>
- 22) [125006] SOLD  
by "Jay Henson" <aj4ay@worldnet.att.net>
- 23) [125007] RE: Mobile whips  
by Mark Schoonover <schoon@amgt.com>
- 24) [125008] RE: Mobile whips  
by adamvaz@palm.net (Adam Vazquez)
- 25) [125009] My life as a mobile operator (all about mobile setups)  
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 26) [125010] AT89S8252 Uploader Dongle  
by "Trevor Jacobs" <fxtech@earthlink.net>
- 27) [125011] Re: [TenTec] cone Antenna PHOTO of how to wind them which band?  
by Bruce Muscolino <w6toy@erols.com>
- 28) [125012] Re: Small, helical antenna, and no radials required, honest!  
by Bruce Muscolino <w6toy@erols.com>
- 29) [125013] AT in PA Saturday  
by "Ron Polityka" <wb3aal@fast.net>
- 30) [125014] Back issues of "72" now available  
by Chuck Ludinsky <cjl@mitre.org>
- 31) [125015] NEQRP SSB NET results  
by "Ronald A Pfeiffer" <Ronald\_A\_Pfeiffer@raytheon.com>
- 32) [125016] SOLD MFJ-971  
by "Joe W2KJ" <w2kj@earthlink.net>
- 33) [125017] RE: ARRL good about badly printed book replacements.  
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 34) [125018] For Sale or Trade: Freq Counter  
by NV9Z@aol.com
- 35) [125019] Tuners  
by Mark R Milburn <mark.milburn@juno.com>
- 36) [125020] Point 510 Pen Based Computers  
by Ed Manuel <emanuel@datacomdesign.com>
- 37) [125021] [CONTEST] N2CQ QRP Contest Calendar - April 20-28  
by "Ken Newman" <n2cq@dandy.net>
- 38) [125022] foxx3  
by "johngabbard" <johngabbard@usintouch.com>
- 39) [125023] Power Supply Help  
by "Tom" <kf4yyd@adelphia.net>
- 40) [125024] ot: Standard Radio Corp  
by "James McKinley" <flyable@starpower.net>
- 41) [125025] RE: Mobile whips  
by Mark Schoonover <schoon@amgt.com>
- 42) [125026] RE: My life as a mobile operator (all about mobile setups)  
by Mark Schoonover <schoon@amgt.com>

- 43) [125027] RE: Standard Radio Corp  
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 44) [125028] RE: My life as a mobile operator  
by "K7FD N7SG" <k7fd@hotmail.com>
- 45) [125029] Mobile antennas  
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
- 46) [125030] RE: Mobile antennas  
by Mark Schoonover <schoon@amgt.com>
- 47) [125031] Re: G5RV - Use a Balun  
by Bill Coleman <aa4lr@arrl.net>
- 48) [125032] Re: Mobile antennas  
by Bill Coleman <aa4lr@arrl.net>
- 49) [125033] RE: Mobile whips  
by Bill Coleman <aa4lr@arrl.net>
- 50) [125034] Re: Mobile whips  
by "Mike Yetsko" <myetsko@insydesw.com>
- 51) [125035] Re: Mobile whips  
by Jake Brodsky <frussle@erols.com>
- 52) [125036] OT: HamScope Troubles, please reply off-list.  
by mwc@okstate.edu
- 53) [125037] RE: Mobile whips  
by Mark Schoonover <schoon@amgt.com>
- 54) [125038] 300 ohm twinlead  
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
- 55) [125039] Re: Mobile whips  
by "John L. Sielke" <w2agn@w2agn.net>
- 56) [125040] RE: Mobile whips  
by Mark Schoonover <schoon@amgt.com>
- 57) [125041] RE: Mobile whips  
by Mark Schoonover <schoon@amgt.com>
- 58) [125042] SMD parts--Baggybob still around  
by Mike Czuhajewski <wa8mcq@comcast.net>
- 59) [125043] ARRL PSK-31 Bulletin request  
by "Karl F. Larsen" <k5di@zianet.com>
- 60) [125044] Re: SMD parts--Baggybob still around  
by David Hinerman <WD8CIV@worldnet.att.net>
- 61) [125045] Recomendations for SSB  
by M0BST <park@full-moon.com>
- 62) [125046] Re: Mobile whips  
by Jake Brodsky <frussle@erols.com>
- 63) [125047] Baggybob webpage  
by "Craig A. Ferris" <cferris@aeronix.com>
- 64) [125048] RE: Mobile whips  
by Mark Schoonover <schoon@amgt.com>
- 65) [125049] RE: Freq Counter  
by NV9Z@aol.com
- 66) [125050] Re: Mobile whips  
by "John L. Sielke" <w2agn@w2agn.net>

- 67) [125051] Re: Mobile whips  
by "John L. Sielke" <w2agn@w2agn.net>  
68) [125052] Re: Recomendations for SSB  
by "John J. McDonough" <wb8rcr@arrl.net>  
69) [125053] RE: Mobile whips  
by Mark Schoonover <schoon@amgt.com>  
70) [125054] [Contest] QRP Homebrewer Sprint Logs - Last Call  
by "Ken Newman" <n2cq@dandy.net>  
71) [125055] Re: OT two element yagi question  
by Bill Coleman <aa4lr@arrl.net>  
72) [125056] Idea for digital logging for Field Day?  
by "Stuart Rohre" <rohre@arlut.utexas.edu>  
73) [125057] Back to spark gap?  
by Mighty Mik <mightymik2@attbi.com>  
74) [125058] Re: QRP Police ARE Watching  
by Bill Coleman <aa4lr@arrl.net>  
75) [125059] Re: Idea for digital logging for Field Day?  
by David Hinerman <wd8civ@worldnet.att.net>  
76) [125060] FS: Heathkit HFT-9A Tuner  
by "Alan Fryer" <N3BJ@hotmail.com>  
77) [125061] Re: 300 ohm twinlead  
by Bruce Rattray <rattray@gpfn.sk.ca>

-----  
Date: Wed, 17 Apr 2002 23:05:08 +0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: fxtech@earthlink.net, qrp-1@Lehigh.EDU  
Subject: [124985] Re: SMT Parts Source Needed  
Message-ID: <F181IYs5CRTYBK1CRwF0000af50@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>From: <fxtech@earthlink.net>  
>Reply-To: fxtech@earthlink.net  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: SMT Parts Source Needed  
>Date: Wed, 17 Apr 2002 13:26:36 -0700  
>  
>Hi Gang,  
>  
>Having a heck of a time trying to find a source for an 82pF chip cap in a  
>1206 package. Can anyone reccomend a good vendor for SMT Caps? Digi-Key and  
>Mouser don't stock it. Thanks a bunch in advance!  
>

>73's Trev KG6CYN

I just checked the Arrow cat. That value only seems to be available in 0603 (AVX). If you really need 1206 you could just solder a standard leaded component onto the pads. They probably have difficulty making the low value devices in a 'large' package like 1206. Another solution might be to mount an 0603 on a little scrap of PCB and connect it to the pads with wire. Ugly, but it'll work.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon\_heller@hotmail.com

My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

My low-cost Altera Flex design kit: <http://www.leonheller.com>

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Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

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Date: Wed, 17 Apr 2002 18:27:10 -0500

From: "Brian Murrey" <brian@iquest.net>

To: <k5di@zianet.com>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [124986] Re: ARRL Beacons

Message-ID: <007201c1e667\$66aa95c0\$d4492bd1@bmurrey2K>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Karl,

Have you ASKED the ARRL about doing PSK31 bulletins?

----- Original Message -----

From: "Karl F. Larsen" <k5di@zianet.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, April 17, 2002 12:11 PM

Subject: ARRL Beacons

>

> I just got the paper on what when and where the ARRL transmissions

> are going to be sent. I was very unhappy.

>  
> The SSB and CW transmissions are fine, but the digital  
> transmissions are all messed up. There is no PSK-31! This mode is so  
easy  
> to get on that every day on 20,15 and 10 meters you hear and copy  
> transmissions using it. A whole lot of stations in fact. And many  
are qrp  
> operators.  
>  
> PSK-31 is so good and the software is free and it works so well  
> there is no reason for ARRL to not have the normal transmissions  
using  
> this mode. If PSK-31 is too complex for the ARRL Staff, I plan to be  
in  
> the area this summer on a job. I'll be glad to bring over my FT-817,  
home  
> brew interface and laptop with Digipan on it and demo how far your  
> transmissions can be heard with 5 watts to a GREAT Beam can go!  
>  
> --  
> Yours Truly,  
>  
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
> <http://www.zianet.com/k5di/>  
>  
>  
>

-----  
Date: Wed, 17 Apr 2002 17:30:29 -0600  
From: "James R. Duffey" <jamesd1@flash.net>  
To: <qrp-l@lehigh.edu>  
Cc: <zlau@arrl.org>, <aa4lr@arrl.net>  
Subject: [124987] Re: G5RV - Use a Balun  
Message-ID: <B8E23EC4.13F2B%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Zack - You make some good points. After trying to figure out how to design  
an effective balun that will present a high enough impedance over a wide  
enough bandwidth, one quickly jumps to the conclusion that a balanced tuner  
such as a Z-match is the best solution. Or a 1:1 balun with differing  
lengths of transmission line to present a low impedance would also work.

Bill - Although the scramble wound baluns have less bandwidth than a similar one wound on a form, they are still effective. A look at Gilbert's data is interesting. For example, an 8 turn scramble wound balun will present a peak choking impedance of 8530 Ohms at 6 MHz, while the same 8 turns on a 6 5/8 inch form will yield roughly twice the peak choking impedance, 15840 Ohms at 12 MHz. If you want a scramble wound balun at higher frequencies, use less turns. Again, W7EL's designs in the handbook and antenna book are good guides. For comparison, a good commercial (Aztec) bead balun will have a choking impedance peak of 1400 Ohms at 7 MHz. This lower peak is due to the increased resistive loss in the bead balun due to the high permeability ferrites used.

The added stray capacitance of the scramble wound balun does not effect the choking impedance substantially (well x2), or at least as much as the resistive loss introduced by the beads does. The capacitance is added in parallel with the balun's inductance yielding a parallel LC circuit, which raises the choking impedance at the resonance frequency. It does deteriorate the high frequency response, as I stated.

Of course, the bandwidth is effected by the added capacitance at the high end. The scramble wound balun is useful from about 3.5 MHz to 14 MHz but marginal at the high end. The coil wound on the form is useful from 3.5 MHz (marginal here) to about 29 MHz, marginal here as well. Now the interesting thing is that the form wound balun is superior because there is an impedance peak of 1123 Ohms at the second harmonic of original peak, about 20 MHz. This suggests to me that the superior wide band usefulness of the form wound balun is due to the higher Q of the inductance, not the lower distributed capacitance. Interesting.

The bead balun, since it is of higher resistive material, has a low Q and the response is broad. It is good from 1.8 MHz to 29 MHz, marginal at the high end. But the peak choking reactance is substantially down from the air core baluns.

A good toroid balun can be made from a lower permeability material than a bead balun since the impedance scales as the square of the turns. A bead balun is limited to a single turn. In fact, effective baluns can be made from lower permeability material (say FT61 at 120 ) than the bead baluns, which are of type FT77 and FT73 at 1800 and 2500 respectively. Type FT43 is intermediate at 850. 43 is not recommended too often for the bead baluns as the choking impedance is less and more beads are required.

W1JR used type 61, with a permeability of 120, in the construction of his toroid balun. This makes it quite different from the bead baluns in terms of resistive losses Sevick covers all of this in his book. W1JR also used the super toroid configuration with a crossover winding to reduce distributed capacitance, although this doesn't make much difference at HF. Sevick

recommends baluns with even lower, say 40, permeabilities. So the cores for bead baluns and toroids are not the same, and a toroid balun can be designed with lower permeability ferrites that have lower resistive losses and higher efficiencies. The differences may not be significant for QRP, but they are real.

I question the need for wide band baluns that cover 1.8 MHz to 30 MHz. For some reason we have been indoctrinated with the idea that one antenna that does all is the best. However, most hams would be better served by two or more antennas that covered the bands they work most. Most of us do most of our operating on one or two bands. The bands may vary over the sunspot cycle, but few of us have evenly distributed activity on all of the HF bands. Once one has accepted using several antennas to cover this range, the balun issue become easier. For instance, a 44 ft doublet fed with balanced feeder will do a great job from 10 MHz to 30 MHz and a good job on 7 MHz. The radiation will be in the same direction on all bands. An 88 ft doublet will do from the same from 80M to 20 M providing some overlap with the first antenna. If you have some extra length this could be made 112 ft long with 30 M now being the top end and with some improved efficiency at 80 M. Either antenna can be fed as a vertical on 160 M with the ends of the feeders tied together and fed against the ground.

I have rambled, but I hope that this has been useful for somebody. - Dr.  
Megacycle KK6MC/5

--

James R. Duffey KK6MC/5  
Cedar Crest, NM DM65

-----  
Date: Wed, 17 Apr 2002 18:58:36 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <IamSF5@aol.com>, <AQRP@yahooogroups.com>, <qrp-1@Lehigh.EDU>,  
<tentec@contesting.com>  
Subject: [124988] Re: [TenTec] cone Antenna PHOTO of how to wind them which band?  
URL and testing raised over ground.  
Message-ID: <000a01c1e66b\$c9d2a940\$4e100a0a@rohredt2000>

Here is the photo link published yesterday:  
"Did you look at the pictures? <http://www.qsl.net/kd1jv/cone.HTM>" That is  
the start of one, with one parallel line element wound, and holes drilled  
for a second. Thanks again to Steve Weber for this shot.

Note: In USE, You MUST turn the antenna so that the narrow cone end is  
against the ground, with ground screen under it, or 30 radials, or it will



not work as efficiently. ( Steve's picture was taken with the antenna supported so that we could see the construction of how to wind the elements and for his first test before he knew to have the wide cone end pointed up.) This is a vertically polarized antenna, I think a misstatement that it was horizontally polarized might have crept into an early post in my excitement and late night hours. :-)

Today we tested a 10m model that is a more narrow cone, but still made of no. 10 wire paired with no. 12. This one has only two parallel line elements. However, it has greater than 60 per cent efficiency with the Wheeler Cap test chamber. We are still tweaking its length and height, so I will publish those when it is set as a tuned model.

We determined that raising the antenna above the ground, and ground plane, moves it significantly away from resonance. You would have to mount it on a solid cylinder of aluminum if you raise it above the ground plane. We had it working in air at 27 MHz. We put it in the buoy chamber, a plastic pipe affair. It moved it down to 25 MHz. Trimming over a foot moved it to a point where we wished to test today in 10m band. But, it never regained zero reactance on the Smith Chart. You trim from the shorted end of each two wire element, then reshort the wires.

It is really fun watching Smith Charts being plotted in real time. We had 100 ohms impedance and 2:1 SWR, and about 150 pf capacitive reactance at best with the antenna raised some three feet or so above ground. Lowering (inductance) of the connections to ground plane helped, but the best thing is to have the antenna at the ground plane. This could be with tuned radials; we did a demo with Ham stick radials to prove that. We think tuned shorter radials would work as well, and that is the direction we take next in tests.

What this means it works BEST at ground level on a ground screen, or on a patio/ balcony floor with 6 foot square screen under it, with feedline going thru the middle of the ground plane, NOT on top of it. Bring the feedline off under the plane, by putting low feet on the plane. We are feeding the prototypes with RG 58 coax. If ground mounted, move conductors away as you should for any vertical antenna. If on a roof, you mount it with cone wide end up, on a 6 foot square ground screen. We started with copper screen, but aluminum will work if you get solid low inductance connections to it. This might be a bolted connection with metal washers for improved lowered resistance.

Thanks for the continued interest,  
Stuart K5KVH

-----  
Date: Wed, 17 Apr 2002 19:05:08 -0500  
From: Goemans <jgoemans@facstaff.wisc.edu>  
To: qrp-1@lehigh.edu  
Subject: [124989] K1 pack?  
Message-ID: <3.0.2.32.20020417190508.006a2548@facstaff.wisc.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi all,

Someone had recently mentioned a good carrying bag or pack for the K1, with hopefully a little extra space for accessories. Yes I do know about the Mountain-Ops K1 case, but I think the one that was mentioned was from REI. Does anyone remember?

72, Paul

Paul Goemans WA9PWP  
Stoughton, WI 53589  
all email checked by NAV2002

-----  
Date: Wed, 17 Apr 2002 19:23:14 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <AQRP@yahoogroups.com>, <qrp-1@Lehigh.EDU>, <tentec@contesting.com>  
Subject: [124990] Need the following transistors for Jim Musgrove, K5BGH  
Message-ID: <005401c1e66f\$3aa84870\$4e100a0a@rohredt2000>

Anyone have about four spare 2N3553's and four 2N4427's? Jim is trying to repair a QRP rig or two. One Ten Tec and one Heath HW 8.

Jim is not on all the lists, so just send me your info, and I will let him know.

I also sent him to the usual sources such as Dan's. Thanks!

72,  
Stuart K5KVH

-----  
Date: Wed, 17 Apr 2002 20:40:50 EDT  
From: IamSF5@aol.com  
To: MarkD@mfwil.org, qrp-1@lehigh.edu

Subject: [124991] Re: [TenTec] cone Antenna PHOTO of how to wind them which band?  
Message-ID: <98.24701924.29ef7012@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 4/17/02 6:35:24 PM Eastern Daylight Time, MarkD@mfwl.org writes:

<<  
Possibly <http://www.coneantenna.com/>. Didn't catch the original post, but this one (check the Stealth link on the site) might be what is referenced.  
>>

Hi Mark,  
Thanks MUCHO for the URL.  
I don't think it's what I was looking for but the pictures were hard to see what it really looked like.  
I received my machined parts today to modify the B&W window job.  
One 1 foot rod will be added under the coil and a three foot section that is slotted for adjustment will be part of the window mount.  
I'm on the 4th floor and my window frames are steel.  
I'm clamping it to the top of the window and that will keep the whole antenna in open unrestricted space.  
Not antenna restricted here.  
Just have fun trying to improve and play and see how much DX I can get.  
No down under hams yet but getting close and this is on 4 watts from 12 volts on the MFJ rig 40 Meters.  
I bagged most of the Europe DX Countries above the Northern part of Africa.  
I seem to have a pipe line in that direction.  
Right now my best is Turkey and Egypt.  
With the antenna placed higher and in the open space, I'm hoping to see some of my RF go South.  
For you antenna restricted hams reading this the bad thing about the B&W window antenna is that it is an eye catcher.  
I think the coil form and the mount should be painted some sort of subdued color, something in the bluish or rust/light brown (Judging from other items on the building.)  
But it does work and I'm really impressed how well it hears.  
Will keep the list posted.  
73/72  
Bob  
AF2Qrp <tm>

-----  
Date: Wed, 17 Apr 2002 19:49:04 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <kr1st@amsat.org>

Cc: <qrp-1@Lehigh.EDU>  
Subject: [124992] Loop efficiency at 80m?  
Message-ID: <00b001c1e672\$d6b215e0\$4e100a0a@rohredt2000>

Perhaps the widely quoted small loop efficiency of 10 per cent is for lowest bands, 80 and 160 only?

Stuart K5KVH

We are not yet ready to do the folded conical helix at 80 m, but Bob Rogers and I plan to eventually, and estimate we can do 160m in an 8 foot tall cone.

Well, the efficient loop for 20m probably is bigger than our present 16 inch diameter, and 13 inch high cone. The guys building them down here are using 5 FEET wide copper tubing loops. And you have to deal with a tuning capacitor in most cases and its losses.

73,

Stuart K5KVH

-----  
Date: Wed, 17 Apr 2002 20:50:41 -0400  
From: hamjoel@juno.com  
To: qrp-1@lehigh.edu  
Subject: [124993] The basics?  
Message-ID: <20020417.205042.-105377.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

ah ha.... a worm or cans heah?

Ah thinks the "basics" change as one gains experience and knowledge... heart sugery? no sweat, some basic stuff heah...

heah on qrpl u can find "Basic"

basic and complicated experienced persons "Basic" which is a higher level of "basic"... :-)

The amateur exams have gone from "Basic" basic to ah higher level of "basic".... still all basic stuffs... just lots meaux to read and remember...

This list is a great place for Basic and "advanced basic" kits and information...If you still be excited by 'lectronics... u gonna find ur brand of "basic" here...

Pull up a soldering iron and built u-self something, then talk to or listen to someone on it... all very basic  
and gud luck on the book, hope it's a number 1 seller

KE1LA JOEL

IN MAINE

-----  
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<http://dl.www.juno.com/get/web/>.

-----  
Date: Wed, 17 Apr 2002 19:55:25 -0500

From: "Stuart Rohre" <rohre@arlut.utexas.edu>

To: <casey.jay@gte.net>, <qrp-l@Lehigh.EDU>

Subject: [124994] Mobile ham sticks

Message-ID: <00b801c1e673\$ba03e710\$4e100a0a@rohredt2000>

Donn,

>From recent experience and from 42 years ago, I have consistently found that a helical whip on a bumper mount or on a license bracket mount, if partly blocked by the vehicle trunk will never give you SWR 1:1. It couples along its coil length to the vehicle body. Thus, use the heavy duty Comet mount for trunk lid to get such a continuously loaded whip up more in the clear. Best of all around here, are the various Screwdriver antennas, and they can be mounted low on the car frame from a hitch mount for example and the coil is high enough up that they work well, plus you can find tune them from the driver's seat.

Now what someone might try to do is make a helical whip with the helix on TOP, and the straight shaft below!

72,

Stuart K5KVH

-----  
Date: Wed, 17 Apr 2002 23:08:06 +1000

From: "Graeme Zimmer" <gzimmer@bigpond.com>

To: <Jimmy.Lee@bartow.k12.ga.us>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [124995] Re: CW Audio Filter?

Message-ID: <007a01c1e610\$d3368a90@newlaptop>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello Jim,

> I would like to build an inexpensive cw audio filter

Have a look at <http://www.users.bigpond.com/gzimmer/>

regards ..... Zim

-----  
Date: Thu, 18 Apr 2002 01:39:16 +0000  
From: Larry Cahoon <lejek@erols.com>  
To: rohre@arlut.utexas.edu,  
      "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [124996] Re: Mobile ham sticks  
Message-ID: <5.1.0.14.0.20020418013735.00bcfe88@pop.erols.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:55 PM 4/17/2002 -0500, Stuart Rohre wrote:

>Now what someone might try to do is make a helical whip with the helix on  
>TOP, and the straight shaft below!

Sounds like a Hustler to me. Compress the coil and move it up the  
shaft. Simple.

73 de Larry.....WD3P in MD  
<http://www.qsl.net/wd3p/>

-----  
Date: Wed, 17 Apr 2002 20:55:24 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: "Larry Cahoon" <lejek@erols.com>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [124997] Re: Mobile ham sticks  
Message-ID: <005701c1e67c\$1b22c040\$4e100a0a@rohredt2000>

No, I mean a distributed coil like the Lakeview has down below, the Antron,  
and the Ham Stick, but put the coil portion from end of a short steel shaft  
up to tip of the top! Not a lumped coil like Hustler, or do they have some  
helical out now?

-----  
Date: Wed, 17 Apr 2002 18:56:06 -0700 (PDT)  
From: Bill ROWLETT <kc4atu@yahoo.com>  
To: qrp-1@lehigh.edu  
Subject: [124998] Mobile whips  
Message-ID: <20020418015606.74665.qmail@web14201.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

You know, a 40 meter hamstick, LDG Z11 auto tuner, 10 to 40 meter coverage, fine tune from driver seat, and a lot less expensive then any screwdriver type.

Happy motoring

73, Bill kc4atu

-----  
Do You Yahoo!?  
Yahoo! Tax Center - online filing with TurboTax  
<http://taxes.yahoo.com/>

-----  
Date: Wed, 17 Apr 2002 20:58:16 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <henryf@quartz.gly.fsu.edu>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [124999] Re: Mobile ham sticks  
Message-ID: <006101c1e67c\$818d7870\$4e100a0a@rohredt2000>

How long is it, and how much is parallel to the trunk or back door of Caravan? Our problem band with Mercury van was 30m with a Valor whip, I think it was. Or Lakeview, on a friends car.

72,  
Stuart

-----  
Date: Wed, 17 Apr 2002 22:02:34 -0400  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [125000] Small, helical antenna, and no radials required, honest!  
Message-ID: <3CBE293A.77E848E6@amsat.org>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi there,

Since there's an interest in small antennas I thought I'd get out an old antenna I worked on a year or two ago on out and see if I could transmit on it. I built the antenna when I was experimenting as an SWL and I had forgotten all about it until I read the recent posts about the helical conical antenna. Here's a picture I took of it tonight:

<http://www.qsl.net/kr1st/antenna.gif>

Originally it was tuned for 21 MHz (actually 21.6 if I recall correctly), but I retuned it for ten meters. I just checked the 1:2 SWR bandwidth as it is standing there in the picture on the table. It is 802 kHz centered around 28.415 MHz. As you can see, the antenna does not have radials, nor does it require radials. It's not a "magical" antenna and it may perform just a tad better than a dummy load.

The band is closed now, so I can't do any reasonable reception tests, but as soon as I get some time I'll test it against my magnetic loop.

73s,  
--Alex

-----

Date: Wed, 17 Apr 2002 21:06:58 -0500  
From: "Jay Henson" <aj4ay@worldnet.att.net>  
To: <qrp-l@lehigh.edu>  
Subject: [125001] For Sale/Trade  
Message-ID: <000f01c1e67d\$b9576ee0\$7670560c@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

It has been laying on the bench for a year or so and I think I had better pass it on to someone that can put it to good use before I break it.

For Sale/Trade:

1 ea Jennings Vacuum Variable Capacitor model UCS-300-15S

This is a 10-300 pf variable rated at 15kv, not exactly QRP. I also have the right angle adjusting/drive mechanism, base mount (FM2 stamped on it)



and top cap (FM0B stamped on it).

I had the unit attached to a 40 meter small transmitting loop and it worked very well in that application. I soldered a 3/4" copper coupling to the top of the capacitor (perfect fit) and copper braid to the base. Yeah, I know, DUHHHHH! There are some light scratches in 2 places on the glass but no cracks.

If interested, please e-mail me direct as I get the list in digest mode. I am asking \$75 or will trade for whatever. First come, first served.

See you on the radio.

Jay

AJ4AY Mobile, AL

FISTS #7917 ARCI #8131 SOC#220 FP# - 115

-----  
Date: Wed, 17 Apr 2002 22:18:23 -0400  
From: Chuck Ludinsky <cjl@mitre.org>  
To: neqrp@jona1.net, qrp-1@lehigh.edu  
Subject: [125002] NEQRP CW Net, 18 April 2002, 8:30PM EST, 3.565 MHz  
Message-ID: <3CBE2CEF.8000601@mitre.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

The New England QRP Club's WQ1RP CW net meets again Thursday night, 18 April 2002, at 8:30 PM EST (0030Z, 19 Apr 02) on or near 3.565 MHz. Net control operator for this week's session will be Chuck, K1CL, operating from Chelmsford, MA.

Last week's net had an excellent turnout, with a total of 12 folks participating in the net, and with some of the best conditions in a while:

N1VS	Vince	Winsted, CT	599
WA1CFX	Howard	Jamaica Plains, MA	599
K1RC	John	Dracut, MA	599
W1PID	Jim	Sanbornton, NH	599
AA1UE	Gary	Springfield, MA	579
W1KRT	Ken	Springfield, NH	599
AA1MY	Seab	Bethel, ME	599
VE3SP	Ron	Hamilton, ON	589/QSB

N1ZSW	Ron	Worcester, MA	589
WB1HBE	John	Chelmsford, MA	599
W1FMR	Jim	Salem, NH	599
K1CL	Chuck	Chelmsford, MA	net op

Jim, W1PID, reported that he had just received a DSW-80 in the mail (great rig, Jim), while Seab told us that his SW-80 just blew up in his shack, filling the shack with smoke (hope you can get it back on the air without too much trouble, Seab). While most of us were all enjoying unusually warm weather, Ron, VE3SP, said it was quite cool in Ontario, with a breeze blowing off the lake. And Ron, N1ZSW, said he had a great time at Atlanticon (wish I could have made it also, Ron).

Another excellent net. Thanks to everyone for QNI'ing, and hope to hear you again this week.

72 DE K1CL,  
Chuck.

-----  
Date: Wed, 17 Apr 2002 21:29:34 -0500  
From: Chuck Carpenter <w5usj@9plus.net>  
To: qrp-l@lehigh.edu, George Baker <w5yr@att.net>,  
Lew Paceley <lew@paceley.com>,  
Subject: [125003] NETXQRP Club Meeting 20 Apr '02  
Message-ID: <3.0.2.32.20020417212934.008499e0@mail.9plus.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

QRPers,

The next meeting of the NETXQRP Club will be held this coming Saturday.  
Interested folks are invited to attend.

Saturday  
April 20, 2002  
1:00 to 3:00 PM (or so)

John Y Miguel's Cafe (Tex/Mex & 'merican)  
104 State Highway 205  
Terrell, TX  
Phone: (972) 524-1447

Directions:

Miguel's is on the west side of Terrell. It is on 205 north, near the intersection of I-80, 205, and 148. 205 goes north from I-80 toward Rockwall and 148 goes south back across I-20. Go north on 205 about 1/4 mile and it's on the right. Big place, hard to miss. It's just past a Kuick Kar lube-and-tune place and across the road is a Walmart plaza.

If you have a favorite QRP something you'd like to bring along, please do. Weather permitting we may try some portable operation either behind the restaurant or at a local park in Terrell. Bring an item for the "Door Prize" drawing and come join the fun!

For more NETXQRP Club info check our website: <http://www.netxqrp.org/>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
QRP-ARCI #5422, QRP-L #1306, SOC #57, 6 Club #201, SMIRK #6275  
Zombie #759, QRPp-I #115, COG #11, NETXQRP <http://www.netxqrp.org>

-----  
Date: Wed, 17 Apr 2002 21:44:14 -0500  
From: Ed Manuel <emanuel@datacomdesign.com>  
To: qrp-l@lehigh.edu  
Subject: [125004] Eight (8) Pin Mini-Din  
Message-ID: <4.3.2.7.2.20020417213945.00c5c1a0@mail.directvinternet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Does anyone in the group know of a common item that uses the 8 pin mini-din male connector? PS-2 mice and keyboards use the 6 pin mini-din. The 6 pin is the Data jack on an FT817. The 8 pin one is used as the accessory jack. No problem finding defunct mice - but what uses that 8 pin that might be lying around ready to be cannibalized? Yep - getting my interface together for FT817 commander. I could of course buy new connectors - but it seems to defy the proper QRP spirit :-) OF COURSE I'm going to build it into an Altoids tin!

Ed, N5EM  
n5em@amsat.org

-----  
Date: Wed, 17 Apr 2002 23:23:20 -0400  
From: brickle <brickle@pobox.com>  
To: emanuel@datacomdesign.com, qrp-l@lehigh.edu  
Subject: [125005] Re: Eight (8) Pin Mini-Din

Message-ID: <3CBE3C28.CD7751B8@pobox.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7BIT

> Does anyone in the group know of a common item that uses the 8 pin mini-din  
> male connector?

An old Macintosh serial cable. They're not hard to find, still.

73  
Frank  
AB2KT

-----  
Date: Wed, 17 Apr 2002 22:22:37 -0500  
From: "Jay Henson" <aj4ay@worldnet.att.net>  
To: <qrp-1@lehigh.edu>  
Subject: [125006] SOLD  
Message-ID: <002001c1e688\$4a5c7ac0\$9170560c@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

The Jennings Vacuum variable I had for sale/trade has been spoken for.

Thank you!

See you on the radio.  
Jay  
AJ4AY Mobile, AL  
FISTS #7917 ARCI #8131 SOC#220 FP# - 115

-----  
Date: Wed, 17 Apr 2002 21:08:26 -0700  
From: Mark Schoonover <schoon@amgt.com>  
To: "'kc4atu@yahoo.com'" <kc4atu@yahoo.com>,  
                Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [125007] RE: Mobile whips  
Message-ID: <BF889CEBEFD2D511B993009027F60ABE155610@AG-JASMINE-NT4>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"

Maybe less \$\$ but even less performance... Never run a tuner in a mobile. Sure, it can load, but it will be far less efficient than a resonant antenna like a screwdriver/bugcatcher. Now, the Hamsticks are an excellent compromise - linear loaded antennas can easily be made for about \$5 on a pvc pipe that will work wonders....

--{ Mark E Schoonover KA6WKE  
--{ Senior Hacker, IS Gopher, Hardware Fiend  
--{ American Geotechnical  
--{ <http://www.qsl.net/ka6wke>  
--{ [ka6wke@amsat.org](mailto:ka6wke@amsat.org)

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/"\  
 \ /   ASCII Ribbon Campaign  
  X    Against HTML Mail  
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===={-----Original Message-----  
===={From: Bill ROWLETT [mailto:[kc4atu@yahoo.com](mailto:kc4atu@yahoo.com)]  
===={Sent: Wednesday, April 17, 2002 6:56 PM  
===={To: Low Power Amateur Radio Discussion  
===={Subject: Mobile whips  
===={  
===={  
===={You know, a 40 meter hamstick, LDG Z11 auto tuner, 10  
===={to 40 meter coverage, fine tune from driver seat, and  
===={a lot less expensive then any screwdriver type.  
===={  
===={Happy motoring  
===={  
===={73, Bill kc4atu  
===={  
===={-----  
===={Do You Yahoo!?  
===={Yahoo! Tax Center - online filing with TurboTax  
===={<http://taxes.yahoo.com/>  
===={  
===={

-----  
Date: Thu, 18 Apr 2002 01:30:09 -0400  
From: [adamvaz@palm.net](mailto:adamvaz@palm.net) (Adam Vazquez)  
To: [schoon@amgt.com](mailto:schoon@amgt.com), [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)

Subject: [125008] RE: Mobile whips  
Message-ID: <20020418053009.28AEF4501@mo110uhou.palm.net>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

schoon@amgt.com wrote on 4/18/02 12:08 am:

>Maybe less \$\$ but even less  
>performance... Never run a  
>tuner in a mobile.

Your opinion aside, I have using a FT-100D/FC-20 with a Outbacker in the mobile. Without the tuner can mean a difference of 3 S-units on the receiving end of my transmissions.

>Sure, it can load, but it will be  
>far less efficient than a  
>resonant antenna  
>like a  
>screwdriver/bugcatcher.

Beats using an amplifier. If I leave the wanderlead on 20m, the tuner will tune for most bands and I still get excellent reports QRP-wise.

Sounds like time for more investigations and less banter.

-----

Date: Thu, 18 Apr 2002 02:11:34 -0400 (EDT)  
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [125009] My life as a mobile operator (all about mobile setups)  
Message-ID: <Pine.LNX.4.44.0204180137070.5866-100000@w3eax.umd.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Firstly, let's start by saying that I have been mobile for the past 5+ years, from both coasts and up and down the eastern seaboard, and as far inland as Iowa. I use an IC-706 and TJ Antennas BB-3 Screwdriver. It might just as well be a High Sierra or a DK3 or whatever - the brand isn't important (although mine matches my car's color); the design is.

- 1) I have worked many thousands of QRP mobile QSOs, including ragchews, contest Qs, DXing (worked about 125 countries mobile, probably 100 QRP).
- 2) Most of my activity has been on 40, 30, 20, and 15 meters
- 3) I have used the following:

Outbacker (orig. and Perth)  
Spider Antenna  
Hustler system (triple resonator adaptors, too)  
Hamsticks  
stainless whips  
2m & 6m squalos and halos

4) I have used triple and quad-sticker mag mounts, various masts, and (finally) permanently mounted 3/8" steel mounts capable of holding 10+ pound antennas in 85+ mph winds.

Here's the story:

I have used an Alinco DX-70T, several QRP rigs, and (finally) an IC-706 with 250Hz CW filter. My Bencher sits in the passenger seat and I log with a microcassette recorder.

I went through a process of learning about mobiling that led me to the following:

- Find a rig that is comfortable for you to use
- DO NOT COMPROMISE on the antenna! Remember, this will be your MOST efficient station EVER because you only have 10 feet of feedline!
- Ground, ground, ground. Ground the engine block to the frame, the hood to the frame, the trunk to the frame, the exhaust pipe to the frame, the antenna mount to the frame. DO NOT RELY on welds and hinges!
- Use ignition suppressor wires to cut down on RFI
- Find a radio with a noise blanker - it helps when you're near power lines or if your ignition noise can't be completely killed through grounding

As far as choosing antennas, I once traded a rig for an FT-900 with unused TJ BB-3 Screwdriver antenna. I looked at the antenna and said, "who's ever gonna use this thing? Why would I ever mount something so big?"

So I got ready to sell the ant and keep the rig. After playing around with hamsticks, hustlers, and the other antennas mentioned above, and trashing my roof's paint job with a multi-sticker antenna, I eventually got a new car (my Neon) and said,

"I'm not trashing the paint. I'm doing this right."

So I decided to keep the BB-3 and sell the FT-900. I went out and got an IC-706 with the narrow filter because it had an SWR meter as well as a keyer and noise blanker, plus the base could go under the passenger seat.

I designed the mounting brackets capable of handling a heavy antenna and had a fellow ham make them from steel - NOTE TO SELF - CHOOSE STAINLESS

NEXT TIME!!! I mounted the brackets (I had a spare made) in back of the car, hanging from the FRAME. I can stand on them without damaging them.

I pulled out the seats and tore up the carpet, and ran cables - power, coax, audio, paddles, rig control - under the carpet and grounded EVERYTHING to everything.

After about three months, I was done. That was four years and many thousands of QSOs on all seven continents ago. I don't even have a station at my house because I don't sit still long enough to bother putting one up. The car is thus an ideal setting for my "permanent" station.

Just as a test, I used the second antenna hookup to try the Screwdriver out against the other antennas in my stable. I used an A/B switch (also mounted under the seat) to do the testing, and on the S-meter, the difference between the Screwdriver and ANY other antenna I tested, even if tuned for that particular band (i.e. 1:1 SWR) was about 4 S-units.

Yes, I was stunned, too, but the ear backed up the meter readings. At that point, I was convinced that expending the effort had been well worth it.

So in retrospect,

"Anything that is worth doing is worth doing right."

You just have to consider whether having a killer HF mobile signal is worth it to you.

PHOTOS ON THE WEB: <http://w3eax.umd.edu/~ham/neon.html>

--

Scott Rosenfeld ARS N7JI  
541-684-9970 Eugene, OR Land o' much rain  
If you find me on the air, I'm probably in my car  
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

-----  
Date: Thu, 18 Apr 2002 01:33:05 -0700  
From: "Trevor Jacobs" <fxtech@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [125010] AT89S8252 Uploader Dongle  
Message-ID: <00d701c1e6b3\$a9eb7740\$ce9bb2d1@tjacobs>  
MIME-Version: 1.0  
Content-Type: text/plain;



charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Gang,

Don't know how many of you are interested in writing software for the AT89S8252 (~\$6 at DigiKey, an offshoot of the 8051), but I designed a very small parallel port interface that allows you to burn the code in circuit. In other words, you don't have to pull the micro out to program it. This is the cpu that I'm using in my DDS Signal Generator, and it's a great micro to do HAM related experiments with. Anyway, I just ordered a couple of PCB's from AP circuits and will have them here in a couple of days. If anyone would like the schematics or the board layout I could e-mail it to you. It's a pretty simple circuit, so for anyone interested in developing code for this CPU, this is an easy way to burn code into it. I may offer this as a cheap kit down the road if there is any interest. please e-mail me direct. Take care and thanks for the bandwidth!

73's Trev KG6CYN

-----  
Date: Thu, 18 Apr 2002 05:17:45 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: MarkD@mfiwi.org  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [125011] Re: [TenTec] cone Antenna PHOTO of how to wind them which band?  
Message-ID: <3CBE8F39.256143C0@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Please note:

While the "Spydercone" may be a great antenna, it is not the antenna being talked about by Stuart Rohre on this list. The antennas are vastly different!

73

-----  
Date: Thu, 18 Apr 2002 06:10:33 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: kr1st@amsat.org  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [125012] Re: Small, helical antenna, and no radials required, honest!  
Message-ID: <3CBE9B99.2EAA94CD@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

OK, so you built a RECEIVING antenna. Will you folks never understand there is a difference between a receiving antenna and a transmitting antenna? I challenge all of you, with any rig, on any frequency, to disconnect your antenna, whatever it is, and substitute a three foot piece of clip lead. Can you tell much difference in the received signals? DON'T TRY TRANSMITTING WITH THIS ANTENNA.

I think you will find the signals don't drop by that much, maybe a couple of SD units at worst. Your receive has far more gain than it needs to dig out signals. However, when you transmit, it is a different situation! Don't be fooled by receiver performance!

73

-----  
Date: Thu, 18 Apr 2002 07:10:29 -0400  
From: "Ron Polityka" <wb3aal@fast.net>  
To: ". NJ QRP-L" <njqrp@njqrp.org>, ". QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [125013] AT in PA Saturday  
Message-ID: <000a01c1e6c9\$a770ff60\$a0665cd1@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Hello,

Wow, what happened to the Spring weather in the East?  
Today is going to be another 90' + day here in EPA.

I plan on going out on Saturday for a few hours in the early morning. Look for me on 7.040 +/- at 11:00 UTC. I will be there for one hour. Then on 14.060 +/- at 12:00 UTC for one hour. I will try 21.060 at 13:00 UTC for a little while, but if I hear nothing I will pack up and head home to start painting my first floor. :-)

Hope to work you then.

72  
Ron Polityka  
WB3AAL

www.n3epa.org

-----  
Date: Thu, 18 Apr 2002 08:23:50 -0400  
From: Chuck Ludinsky <cjl@mitre.org>  
To: neqrp@jonal.net, qrp-1@lehigh.edu  
Subject: [125014] Back issues of "72" now available  
Message-ID: <3CBEBAD6.6D4E183B@mitre.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks to Dave Siegrist, NT1U, and Bill Northup, N1QPR, the entire collection of "72", the NEQRP Club's newsletter, is now available on line or by CDROM. Dave scanned the collection and Bill put the it on his web page. Covering 1992 through 1997, this quarterly publication was filled with QRP projects, antenna information, QRP ideas, etc., much of which is relevant to QRP today. One warning, though: the entire collection totals around 40 Mbytes, with each issue being around 0.5 to 3 Mbytes. So, if you have a slow net connection, be forewarned.

You can access this wonderful source of QRP data either from the NE QRP web page at:

<http://www.qsl.net/wq1rp>

or go directly to Bill's web page at:

<http://www.foxfinder.org/QRP/neqrp.htm>

72 DE K1CL,  
Chuck.

-----  
Date: Thu, 18 Apr 2002 09:27:13 -0400  
From: "Ronald A Pfeiffer" <Ronald\_A\_Pfeiffer@raytheon.com>  
To: neqrp@jonal.net, qrp-1@Lehigh.EDU  
Subject: [125015] NEQRP SSB NET results  
Message-ID: <0F30AB13DA.C769B25C-0N85256B9F.0049471E@and.us.ray.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=us-ascii

Sorry this post is late but I forgot the log two days in a row!  
So forgive me if I forget someone...

About 7 checkins as far away as Va, PA, and Ed AB8DF in MI. Band was OK with some noise. Thanks for repeat customers from last year and a couple new call signs.

To answer emails I've gotten. The NET was held Tuesday night at 7:30PM EDST and with the time change we seem not to collide with Broadcasters.

The NEQRP SSB NET will meet each Tuesday night at 7:30 PM EDST and a second time at 8:30PM EDST. This will try to allow people in different time-zone to try to check-in.

Again thanks to all that checked in and hear you next week.

NEQRP SSB NET: 7.285 Mhz +/- 5 Khz Tuesday night 7:30PM and 8:30PM EDST  
NET OP: Ron - N1ZSW

-----  
Date: Thu, 18 Apr 2002 09:31:29 -0400  
From: "Joe W2KJ" <w2kj@earthlink.net>  
To: "qrp-1" <qrp-1@lehigh.edu>  
Subject: [125016] SOLD MFJ-971  
Message-ID: <001001c1e6dd\$5bbc1be0\$5d35323f@cdcvh01>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang:

The MFJ-971 antenna tuner I had earlier posted for sale has been sold.

73, Joe W2KJ  
(North Carolina)

-----  
Date: Thu, 18 Apr 2002 09:50:35 -0400  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [125017] RE: ARRL good about badly printed book replacements.  
Message-ID: <125490A005E3D3118C9C00805FC743CC040F3B4C@KAHLESS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

That actually makes the most sense; it is not worth the cost of shipping back a bad book. The transaction does get entered into one's membership record, and as long as every book a member buys doesn't have missing pages, the most cost-effective way to handle it is to just ship a replacement.

Once in a while, they may want to see the problem to work with the printer on a problem, though, so don't be shocked if they did ask for the book back. :-)

73,  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: w1rfi@arrl.org  
Web: <http://www.arrl.org/tis>

> -----Original Message-----  
> From: Stuart Rohre [mailto:rohre@arlut.utexas.edu]  
> Sent: Wednesday, April 17, 2002 2:54 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: ARRL good about badly printed book replacements.  
>  
>  
> I have had good service by just calling publications dept. at  
> ARRL when one  
> volume of several of Antenna Compendium I bought had missing pages.  
>  
> They were very nice and promptly sent me a new copy without  
> me having to  
> send back the old one.  
> 72,  
> Stuart K5KVH  
>  
>

-----  
Date: Thu, 18 Apr 2002 10:24:31 EDT

From: NV9Z@aol.com  
To: qrp-l@lehigh.edu  
Subject: [125018] For Sale or Trade: Freq Counter  
Message-ID: <a6.24be159b.29f0311f@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi QRPers!

For sale or trade: Galaxy II (model FC250) 0-250 MHZ digital frequency counter. 5 digit LED display, 13.8v DC, can be used in-line or will receive off its own external antenna. Its tiny, only a little bigger than a deck of playing cards. Makes an excellent external display for an analog QRP rig. \$45.00 shipped (USPS Priority MAIL CONUS) or trade for a QRP watt meter.

Please contact me off list at NV9Z@aol.com.

Thanks 72 de Chris NV9Z QRP-L #2370 QRP-ARCI #11172 NorCal NW-QRP #347  
NJ-QRP #383 HI-QRP #407 AR-QRP #280

-----  
Date: Thu, 18 Apr 2002 09:34:44 -0500  
From: Mark R Milburn <mark.milburn@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [125019] Tuners  
Message-ID: <20020418.093500.-1501241.0.MARK.MILBURN@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks for all the input you folks have given me on replacing my Dentron tuner. They ranged from trying to help me fix this one to one generous soul offering to give me a free replacement. Some just wanted to say how much they hated MFJ, some said they had MFJ and were wonderfully happy with it, and some offered alternatives that they thought were better.

I appreciate every reply. I still haven't made up my mind what to do, but I am struck again by the helpfulness you can get from this group

I'm taking the new Jupiter out of the box this next week...I'll probably be asking for more help then...hi.

72 Mark, KQ0I

-----

Date: Thu, 18 Apr 2002 09:42:06 -0500  
From: Ed Manuel <emanuel@datacomdesign.com>  
To: qrp-l@lehigh.edu  
Cc: hats@stevens.com, hqrp@stevens.com  
Subject: [125020] Point 510 Pen Based Computers  
Message-ID: <4.3.2.7.2.20020418093504.00c72800@mail.directvinternet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

A number of you are looking for these computers on Ebay after my post. A caution. At least one vendor is stripping out the memory modules and selling them separately. Most of the machines on Ebay come with 32 mb. RAM in them. That's how they were surplused. One vendor pulls the memory out and leaves the 8mb that came from the factory. He is upfront about it - only advertises 8mb. Then he sells you the memory modules separately.

Just try to get one with the 32 mb. in it or you will have to buy additional memory later.

Ed, N5EM  
<http://groups.yahoo.com/group/Point510Hams/>

-----  
Date: Thu, 18 Apr 2002 10:49:31 -0400  
From: "Ken Newman" <n2cq@dandy.net>  
To: <EPA-QRP@yahoogroups.com>, <QRP-L@lehigh.edu>, <njqrp@njqrp.org>, <n9avg@amsat.org>, <w3bg@arrl.net>, <n4so@juno.com>  
Subject: [125021] [CONTEST] N2CQ QRP Contest Calendar - April 20-28  
Message-ID: <006201c1e6e8\$4159f460\$bd881c42@18.95.182.twsn1.md.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

~~~~~  
N2CQ QRP CONTEST CALENDAR  
April 20-28, 2002

~~~~~  
The TARA PSK31 Rumble (Digital) ... QRP Category

Apr 20 0000z to 2400z

Rules: <http://www.qsl.net/wm2u/rumble.html>

"Get those Warblers in the show"

~~~~~  
Estonian (ES) Open HF Championship (CW/SSB) (80 & 40) ...QRP Category

Apr 20 - 0500z to 0959z

Rules: <http://www.sk3bg.se/contest/esopen.htm>

"Awards and trophies"

~~~~~  
GACW CW DX Contest (Samuel Morse Party) ... QRP Category

Apr 20 - 1200z to Apr 21 - 1200z

Rules: <http://www.geocities.com/gacwar/contest.html>

"The Mr. Samuel Morse party"

~~~~~  
EU Spring Sprint (CW) (80, 40, 20m )

Apr 20 - 1500Z -1859Z

Rules: [http://www.kkn.net/~i2uiy/eu\\_rules.html](http://www.kkn.net/~i2uiy/eu_rules.html)

"Work Europeans"

~~~~~  
Michigan QSO Party (CW/SSB) ...QRP Category

Apr 20 - 1600z to Apr 21 - 0400z

Rules: <http://www.mrrc.net/mqp>



"Work Michigan Counties"

~~~~~  
Ontario QSO Party (CW/SSB) ... QRP Category

Apr 20 - 1800z to Apr 21 - 1800x

Rules: <http://www.odxa.on.ca/oqprules.html>

"Work Ontario stations. Canada's friendliest amateur radio contest"

~~~~~  
QRP To The Field (CW) ...QRP Contest!!

Apr 27 - 1500z - 2400z (Pick any 6 hours)

Rules: <http://www.fix.net/~jparkernorcal.htm>

"Water World Deja Vu"

~~~~~  
Helvetia Contest (CW/SSB) (Swiss) ...QRP Category

Apr 27 - 1300z to Apr 28 - 1300z

Rules: <http://www.sk3bg.se/contest/helvc.htm>

"Work Swiss Cantons"

~~~~~  
Florida QSO Party (CW/Phone) ...QRP Category

Apr 27 - 1600z to Apr 28 - 0159z and

Apr 28 - 1200z to 2159z

Rules: <http://www.qsl.net/fqp/rules.htm>

"Work Florida counties"

~~~~~  
Nebraska QSO Party (CW/SSB) ... QRP Category

Apr 27 - 1700z to Apr 28 - 1700z

Rules: <http://www.qsl.net/hdxa/neqso/neqso.htm>

"Work Nebraska counties. More points for QRP"

~~~~~  
Thanks to SM3CER, WA7BNM, ARRL and others  
for assistance in compiling this calendar.

Please forward the contest info you sponsor to N2CQ@ARRL.NET and  
we will post it and give it more publicity.  
Anyone may use this "N2CQ QRP Contest Calendar" for your website,  
newsletter,  
e-mail list or other media as you choose.  
(Include a credit to the source of this material of course.)

72 de	**** QRP Contest Calendar ****
Ken Newman - N2CQ	<a href="http://www.njqrp.org/data/contesting.html">http://www.njqrp.org/data/contesting.html</a>
N2CQ@ARRL.NET	<a href="http://www.n3epa.org/Pages/Contest/contest.htm">http://www.n3epa.org/Pages/Contest/contest.htm</a>
	<a href="http://www.qsl.net/cqrp/contests.html">http://www.qsl.net/cqrp/contests.html</a>

-----  
Date: Thu, 18 Apr 2002 08:00:25 -0700  
From: "johngabbard" <johngabbard@usintouch.com>  
To: <qrp-l@lehigh.edu>  
Subject: [125022] foxx3  
Message-ID: <005101c1e6e9\$c5fb6540\$39861c0c@juanita>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Good morning everyone, this may be abit off track but would anyone care to  
comment on the foxx3 kit or its operation?,,,TIA...john...kf7om

-----  
Date: Thu, 18 Apr 2002 11:13:15 -0400  
From: "Tom" <kf4yyd@adelphia.net>  
To: <QRPP-I@yahoogroups.com>, "QRP-L" <qrp-l@lehigh.edu>

Subject: [125023] Power Supply Help  
Message-ID: <00df01c1e6eb\$90d2c640\$9865fea9@yourze8cxvr8tt>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello,

My father gave me a 12 volt 55 Amp 780 Watt pwr supply that came off his motor home when he upgraded the supplied inverters. I think I read once where not all pwr supplies were suitable for communications equipment so thought I might ask before getting my hopes up. The only info I have on it is:

PC55b Power Source battery charger/power supply and Todd Engineering Sales inc.

Any Thoughts?

Tom kf4yyd

-----  
Date: Thu, 18 Apr 2002 11:49:15 -0400  
From: "James McKinley" <flyable@starpower.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [125024] ot: Standard Radio Corp  
Message-ID: <001f01c1e6f0\$99842b80\$fa2f2c42@newuser>

Hi All,

Sorry for the off topic post but have not found help elsewhere. My Father has a Heathkit HW2M two meter ht. I believe it was built by Standard. Would anyone know where he might get this radio repaired?

Thanks,

Jim WD40JY

-----  
Date: Thu, 18 Apr 2002 08:55:59 -0700  
From: Mark Schoonover <schoon@amgt.com>  
To: "'adamvaz@mobile.att.net'" <adamvaz@mobile.att.net>,  
Mark Schoonover <schoon@amgt.com>, qrp-1@Lehigh.EDU  
Subject: [125025] RE: Mobile whips

Message-ID: <BF889CEBEFD2D511B993009027F60ABE155611@AG-JASMINE-NT4>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

> >Maybe less \$\$ but even less  
> >performance... Never run a  
> >tuner in a mobile.  
>  
> Your opinion aside, I have using a FT-100D/FC-20 with a Outbacker in  
> the mobile. Without the tuner can mean a difference of 3  
> S-units on the  
> receiving end of my transmissions.

My opinion is based on investigation and research. I simple change  
in propagation at the time can cause a 3 S unit change in signal strength.  
Lately with the way the bands have been, 3 S units is nothing. Now, if you  
used a field strength meter and actually set up a test range, you'll start  
noticing the differences.

> >Sure, it can load, but it will be  
> >far less efficient than a  
> >resonant antenna  
> >like a  
> >screwdriver/bugcatcher.  
>  
> Beats using an amplifier. If I leave the wanderlead on 20m, the tuner  
> will tune for most bands and I still get excellent reports QRP-wise.  
>  
> Sounds like time for more investigations and less banter.

Less banter?? Be glad to field strength test between my mobile and  
yours. I would like to see how well your megabuck mobile antenna setup would  
compare to my HB 16.5' \$50 screwdriver...

Sheesh - banter..... Dude doesn't even know me! Typical uninformed  
response... Instead of bash, why not ask where I got my info from?? Sure  
Kurt N Sterba can load a trash can on a 56 Buick, but just how good will it  
be when the bands are in rough shape??

.mark

-----

Date: Thu, 18 Apr 2002 09:08:36 -0700

From: Mark Schoonover <schoon@amgt.com>  
To: "'ham@w3eax.umd.edu'" <ham@w3eax.umd.edu>,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [125026] RE: My life as a mobile operator (all about mobile setups)  
Message-ID: <BF889CEBEFD2D511B993009027F60ABE155612@AG-JASMINE-NT4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Looks like we went to the same school! I've been mobile for the last 15 years starting when I went to college in 1985. Now I run mobile for the same reasons as you - more time in the driver seat than any other place. My current setup is in a 1996 Ford Ranger, FT767gxii with a HB 16.5' screwdriver antenna. The antenna is installed in such a way that it's only 13' tall, while the feedpoint is 5' off the ground. Need to get my website updated with this install. I've been working on this install for over 3 years and it's really starting to pay off. The other cool edition is I just purchased one of those Clear Speech DSP speakers. Man, it makes a huge difference!! My truck is pretty quiet RFI wise - especially for a Ford! My problems have turned around, and now I hear all the other vehicles around me, powerlines, etc. I have no problems with S1 signals and being able to work them using that speaker.

72

.mark

-----  
Date: Thu, 18 Apr 2002 12:26:23 -0400  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "'flyable@starpower.net'" <flyable@starpower.net>,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [125027] RE: Standard Radio Corp  
Message-ID: <125490A005E3D3118C9C00805FC743CC040F3B52@KAHLESS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

>From the ARRL Tech Info TISFIND database at:  
<http://www.arrl.org/tis/tisfind.html>

Company  
B & B Technical Services  
5293 Arbutus St  
Arvada, CO 80004-1721  
Tel: 303-424-4858  
Email: COORSBILL@HOTMAIL.COM

Products and Services

RADIO REPAIR;

Notes

We repair Icom, Kenwood and Yaesu equipment from the early- to present-day models, Drake, Hallicrafters and Heathkit equipment, and some Collins gear. We have been doing ham equipment repairs for over 15 years. We do most of the non-warranty repairs for Ham Radio Outlet in Denver. Our rates are competitive and we offer a 90 day warranty on most repairs, except for tubes.

Company

Heathkit Amateur Radio Repair

Ed Daignault WA1LJY

7232 Lincoln

Baroda, MI 49101

Tel: 616-429-4295

Products and Services

RADIO REPAIR;

Notes

Former Heath Technician

Company

Land Air Communications

95-15 108 Street

Richmond Hill, NY 11419

Tel: 718-847-3090

Fax: 718-849-8279

Products and Services

RADIO REPAIR; PUBLICATION>EQUIPMENT MANUAL OR SCHEMATIC; RADIO DEALER; SURPLUS; TEST EQUIPMENT>GRID DIP METER; TEST EQUIPMENT>OSCILLOSCOPE; TEST EQUIPMENT>SPECTRUM ANALYZER; TEST EQUIPMENT>USED TEST EQUIPMENT; TEST EQUIPMENT>DUMMY LOAD; TEST EQUIPMENT>SWR METER;

Notes

Authorized dealer for Kenwood, ICOM and Yaesu manuals. Parts and repairs for older amateur gear of all makes, including Collins, Hallicrafters, National, Johnson, Gonset, Hammarlund, Swan, Drake, WRL and Heathkit. Dealer of used equipment.

Company

RT0 Electronics

7280 Territorial Road

Benton Harbor, MI 49022

Tel: 616-468-7780

Email: hamtech@rtoham.com

<http://www.rtoham.com/>

Products and Services

RADIO REPAIR;

Notes

Heathkit amateur radio repair.

Company  
Sandhills Technical Service, Inc.  
P.O. BOX 651  
Candor, NC 27229  
Tel: 910-974-7867  
Email: sts@nissan.net  
<http://www.qsl.net/n4kvp/>  
Products and Services  
RADIO REPAIR;

Notes

HF RIGS: Kenwood, Yaesu, Icom, Drake, Swan to name a few. Tubes or Solid State New or Old. VHF RIGS: All makes, types, styles, tube or solid state. Heathkit equipment: Amateur, audio and test gear (you must have the manual) Power supplies, SWR meters, Test gear Vintage radios: Tube type, receivers SWL etc. Bench Rates: \$35.00/hr plus parts, shipping and sales tax(where applicable)

73,  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: w1rfi@arrl.org  
Web: <http://www.arrl.org/tis>

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> -----Original Message-----

> From: James McKinley [mailto:flyable@starpower.net]

> Sent: Thursday, April 18, 2002 11:49 AM

> To: Low Power Amateur Radio Discussion

> Subject: ot: Standard Radio Corp

>

>

> Hi All,

> Sorry for the off topic post but have not found help  
> elsewhere. My Father  
> has a Heathkit HW2M two meter ht. I believe  
> it was built by Standard. Would anyone know where he might  
> get this radio  
> repaired?  
>  
> Thanks,  
>  
> Jim WD4OJY  
>  
>

-----  
Date: Thu, 18 Apr 2002 09:26:31 -0700  
From: "K7FD N7SG" <k7fd@hotmail.com>  
To: schoon@amgt.com, qrp-1@Lehigh.EDU  
Subject: [125028] RE: My life as a mobile operator  
Message-ID: <F137A2aiVklUVhjNIjm0000279d@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Yep, ditto on the ClearSpeech...the only way to fly mobile!

13.5 feet above the asphalt here...running an MP-1 on an extended 4' base mast with 4 foot top whip, fine tuned w/ an inductive matching coil at the base. Works great w/ the K1 or K2 attached with or without tuner.

Best DX catch while mobile -- VU2AU...20m, but I was runing 100w :)

73 John K7FD

PS. Yes I agree, the 'banter' comment was a cheap shot...

>From: Mark Schoonover <schoon@amgt.com>

>Looks like we went to the same school! I've been mobile for the last 15  
>years starting when I went to college in 1985. Now I run mobile for the  
>same  
>reasons as you - more time in the driver seat than any other place. My  
>current setup is in a 1996 Ford Ranger, FT767gxii with a HB 16.5'  
>screwdriver antenna. The antenna is installed in such a way that it's only  
>13' tall...

-----  
Join the world s largest e-mail service with MSN Hotmail.



<http://www.hotmail.com>

-----  
Date: Thu, 18 Apr 2002 13:43:53 -0400  
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>  
To: qrp-l@lehigh.edu  
Subject: [125029] Mobile antennas  
Message-ID: <E1F0152638DBD311AEF700D0B74455E272F8E1@exchange\_nh.allegromicro.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

The plates require four mounting screws, right? I checked my Saturn, but the rear plate only has the two upper screw holes for mounting the license plate. I always figured that that would not be strong enough, for the hamstick.

Date: Tue, 16 Apr 2002 20:38:55 -0400  
From: "Vincent A. Santis"  
To: "QRP List (E-mail)"  
Subject: [124926] Mobile antennas  
Message-ID: <01C1E586.D2A21320.vsantis@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hi,

I've used a license plate mount with Hamsticks for a couple of years now on my Volvo wagon. It works great virtually plug and play.

Vince Santis,N1VS  
Winsted, CT  
NEQRP # 598  
PRP-L # 2372  
FISTS# 8053  
CC # 1161

Shawn Upton, KB1CKT

-----  
Date: Thu, 18 Apr 2002 10:44:17 -0700  
From: Mark Schoonover <schoon@amgt.com>

To: "'Supton@ALLEGROMICRO.com'" <Supton@ALLEGROMICRO.com>,  
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [125030] RE: Mobile antennas  
Message-ID: <BF889CEBEFD2D511B993009027F60ABE155616@AG-JASMINE-NT4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

> The plates require four mounting screws, right? I checked my  
> Saturn, but  
> the rear plate only has the two upper screw holes for  
> mounting the license  
> plate. I always figured that that would not be strong enough, for the  
> hamstick.  
>

Hamsticks are pretty thin and don't present a large wind load. I've used them successfully with trunk lip mounts on various station wagons and sedans...

72

.mark

--{ Mark E Schoonover KA6WKE  
--{ Senior Hacker, IS Gopher, Hardware Fiend  
--{ American Geotechnical  
--{ <http://www.qsl.net/ka6wke>  
--{ [ka6wke@amsat.org](mailto:ka6wke@amsat.org)

-----

Date: Thu, 18 Apr 2002 14:04:57 -0400  
From: Bill Coleman <aa4lr@arrl.net>  
To: "James R. Duffey" <jamesd1@flash.net>, "QRP" <qrp-1@lehigh.edu>  
Subject: [125031] Re: G5RV - Use a Balun  
Message-ID: <20020418180622.UQNY3633.imf16bis.bellsouth.net@[192.168.0.20]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 4/17/02 7:30 PM, James R. Duffey at [jamesd1@flash.net](mailto:jamesd1@flash.net) wrote:

>Bill - Although the scramble wound baluns have less bandwidth than a similar  
>one wound on a form, they are still effective. A look at Gilbert's data is  
>interesting. For example, an 8 turn scramble wound balun will present a peak

>choking impedance of 8530 Ohms at 6 MHz, while the same 8 turns on a 6 5/8  
>inch form will yield roughly twice the peak choking impedance, 15840 Ohms at  
>12 MHz.

I always interpreted this as the scramble winding increasing the distributed capacitance and thus lowering the parallel-resonant frequency of the coil (hence the peak at 6 MHz, instead of at 12 MHz). You really don't want to operate much beyond the parallel-resonant frequency, since the impedance drops off quickly, as the coil moves toward series-resonance. Although, for a single frequency balun, a parallel-resonant coil might be the best way to achieve high choking impedances (eg beyond 2 k Ohm)

>If you want a scramble wound balun at higher frequencies, use less  
>turns.

Ed Gilbert's own recommendation (from the article):

- Don't bunch the turns together. Wind them as a single layer on a form. Bunching the turns kills the choking effect at higher frequencies.

See <<http://www.k1ttt.net/technote/airbalun.html>> for full details.

>Again, W7EL's designs in the handbook and antenna book are good  
>guides. For comparison, a good commercial (Aztec) bead balun will have a  
>choking impedance peak of 1400 Ohms at 7 MHz. This lower peak is due to the  
>increased resistive loss in the bead balun due to the high permeability  
>ferrites used.

The advantage of the ferrites is that the majority of the impedance is resistive in nature. In a choke, this is exactly the behavior we want, especially if we want to choke a range of frequencies. That's what ferrites are a great choice for a wideband device.

>The added stray capacitance of the scramble wound balun does not effect the  
>choking impedance substantially (well x2), or at least as much as the  
>resistive loss introduced by the beads does.

The added capacitance lowers the parallel-resonant frequency, and greatly reduces the impedances for frequencies above that.

>The capacitance is added in  
>parallel with the balun's inductance yielding a parallel LC circuit, which  
>raises the choking impedance at the resonance frequency. It does deteriorate  
>the high frequency response, as I stated.

If we want a physical coil to operate like a coil, and not a capacitor,

we really want to stay BELOW the parallel-resonant frequency, no?

>Of course, the bandwidth is effected by the added capacitance at the high  
>end. The scramble wound balun is useful from about 3.5 MHz to 14 MHz but  
>marginal at the high end.

>From the Gilbert data, I wouldn't use the scramble-wound balun above 7  
MHz.

>The coil wound on the form is useful from 3.5 MHz  
>(marginal here) to about 29 MHz, marginal here as well. Now the interesting  
>thing is that the form wound balun is superior because there is an impedance  
>peak of 1123 Ohms at the second harmonic of original peak, about 20 MHz.

Curious, yes, but if you note the parallel-resonance about 12 MHz, then  
you really can't expect much performance from this choke above 14 MHz.

This is part of my point. Coiled-coax baluns work great at one frequency,  
or over a narrow range of frequencies. But Ed Gilbert's data indicates  
they don't have sufficient choking inductance over the entire HF range.

>A good toroid balun can be made from a lower permeability material than a  
>bead balun since the impedance scales as the square of the turns. A bead  
>balun is limited to a single turn. In fact, effective baluns can be made  
>from lower permeability material (say FT61 at 120 ) than the bead baluns,  
>which are of type FT77 and FT73 at 1800 and 2500 respectively. Type FT43 is  
>intermediate at 850. 43 is not recommended too often for the bead baluns as  
>the choking impedance is less and more beads are required.

I've seen several balun designs that used type 43 material to avoid loss  
tangent problems with high power and type 77 material.

Indeed, I design a bead balun for my Cushcraft A3S using 12 FB1024-43  
beads. My choice of type 43 material came more for the fact I got these  
beads surplus at a discount price! Type 73 or 77 material would have  
required fewer beads. The balun works great.

>I question the need for wide band baluns that cover 1.8 MHz to 30 MHz. For  
>some reason we have been indoctrinated with the idea that one antenna that  
>does all is the best.

Indeed. I agree here. They are important for tribanders (perhaps 7-30  
MHz), and perhaps for certain multi-band doublets covering several bands  
(3.5-10 MHz). It's probably best to design devices for each antenna.

>However, most hams would be better served by two or  
>more antennas that covered the bands they work most.

Really?

>Most of us do most of our operating on one or two bands.

I disagree. If you are into contesting, then you've got to present your best antenna choice on 5 or 6 bands.

>For instance, a 44 ft doublet fed with balanced  
>feeder will do a great job from 10 MHz to 30 MHz and a good job on 7 MHz.

I don't think there's anything magical about LB Cebik's choice of 44 or 88 feet. The key to making this antenna effective is getting it high enough in the air. Note the height at which Cebik did his modelling of the 88 (/ 44) foot doublet....

But, yeh, this antenna is likely more effective than your typical 40m-10m verticals. I have one of those dummy loads myself....

Bill Coleman, AA4LR, PP-ASEL                      Mail: aa4lr@arrl.net

Quote: "Not within a thousand years will man ever fly!"

-- Wilbur Wright, 1901

-----  
Date: Thu, 18 Apr 2002 14:07:41 -0400  
From: Bill Coleman <aa4lr@arrl.net>  
To: <SUpton@ALLEGROMICRO.com>,  
      "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [125032] Re: Mobile antennas  
Message-ID: <20020418180907.VNGU1765.imf11bis.bellsouth.net@[192.168.0.20]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 4/18/02 1:43 PM, Upton, Shawn at SUpton@ALLEGROMICRO.com wrote:

>The plates require four mounting screws, right? I checked my Saturn, but  
>the rear plate only has the two upper screw holes for mounting the license  
>plate. I always figured that that would not be strong enough, for the  
>hamstick.

I did the same analysis on my Saturn.

I haven't yet mounted it, but I bought a trunk-lip mount for my Saturn. A fellow contester in this area has been using this method successfully for a while.

Bill Coleman, AA4LR, PP-ASEL            Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Thu, 18 Apr 2002 14:18:57 -0400  
From: Bill Coleman <aa4lr@arrl.net>  
To: <schoon@amgt.com>,  
      "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [125033] RE: Mobile whips  
Message-ID: <20020418182022.WRAY29349.imf07bis.bellsouth.net@[192.168.0.20]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 4/18/02 12:08 AM, Mark Schoonover at schoon@amgt.com wrote:

>Maybe less \$\$ but even less performance... Never run a tuner in a mobile.

Why not?

>Sure, it can load, but it will be far less efficient than a resonant antenna  
>like a screwdriver/bugcatcher.

Resonance has nothing to do with efficiency. That's a myth. According to Maxwell, a properly tuned antenna system is at resonance. Efficiency has everything to do with loss.

Using a tuner on a 40m Hamstick on 40m isn't a bad thing. Sure, the losses are slightly higher than re-tuning the whip, but not much, if any different than the losses at resonance.

You can also make a relatively efficient mobile system with an unloaded whip and an efficient automatic matching device. (I think SGC make such a box) The efficiency becomes a matter of the components in the matching network, not the "resonance" of the antenna.

> Now, the Hamsticks are an excellent  
>compromise - linear loaded antennas can easily be made for about \$5 on a pvc  
>pipe that will work wonders....

I think the popularity of the Hamstick design is due to: a) cost, b) ruggedness, c) efficiency.

Hamsticks aren't expensive. They last quite a while in a mobile environment. Their efficiency isn't great, but not horrible (at least for 40m and above). The Hustler system is probably more efficient, since it isn't loaded near the bottom like a screwdriver or a Hamstick.

Bill Coleman, AA4LR, PP-ASEL                      Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Thu, 18 Apr 2002 14:25:42 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <schoon@amgt.com>,  
      "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [125034] Re: Mobile whips  
Message-ID: <00ca01c1e706\$c97395e0\$0600a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Oh oh! Sounds pretty concrete!! I guess I'll just have to take the K2 out of the Jeep and forget about using that whip on the mag mount....

Mike

----- Original Message -----  
From: "Mark Schoonover" <schoon@amgt.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, April 18, 2002 12:08 AM  
Subject: RE: Mobile whips

> Maybe less \$\$ but even less performance... Never run a tuner in a mobile.  
> Sure, it can load, but it will be far less efficient than a resonant antenna  
> like a screwdriver/bugcatcher. Now, the Hamsticks are an excellent  
> compromise - linear loaded antennas can easily be made for about \$5 on a pvc  
> pipe that will work wonders....  
>  
> --{ Mark E Schoonover KA6WKE





>The Hustler system is probably more efficient, since it=20  
>isn't loaded near the bottom like a screwdriver or a Hamstick.

Bill, if you look closely at a Ham Stick, you'll notice that the  
actual loading coil is right below the set-screws of the steel whip.  
It's not at the base. =20

Judging from what Jerry Sevick wrote about the loading coils in  
Hustler antennas, I have to wonder if there is really much improvement  
over a ham-stick. =20

73,

Jake Brodsky, <mailto:frussle@erols.com>  
"Nearly fifty percent of all graduates came from=20  
the bottom half of the class."

-----  
Date: Thu, 18 Apr 2002 13:33:30 US/Central  
From: mwc@okstate.edu  
To: qrp-1@lehigh.edu  
Subject: [125036] OT: HamScope Troubles, please reply off-list.  
Message-ID: <200204181833.NAA05185@mail3.brightok.net>

I am trying to get HamScope 1.4 up and running on our club's computer to  
demonstrate PSK31 to them at next month's meeting. It looks like a really neat  
program (in fact, I have it running at home). However, there are a couple of  
things that don't work on our club's computer. They are...

- 1) The "Display Gain" slider bar has no effect (at least on the waterfall).
- 2) When I turn on "Demo Mode", nothing comes out of the soundcard.

I am running Win95 on an old Gateway 2000 with 16MB RAM and 133MHz processor  
speed. The sound card is an Ensoniq VIVO with a Sound Blaster Emulator driver  
installed. The card works fine for window noises and CD's. Any ideas? Please  
respond off-list.

BTW, DigiPan 1.6d works fine on this computer. However, I wish to get HamScope  
up and running for RTTY and MFSK16 capabilities too.

73, Matthew  
AD5AP

-----  
This message was sent using BrightNet MailMan.  
<http://www.Brightok.net/mailman/>

-----  
Date: Thu, 18 Apr 2002 11:47:42 -0700  
From: Mark Schoonover <schoon@amgt.com>  
To: "'Bill Coleman'" <aa4lr@arrl.net>,  
Mark Schoonover <schoon@amgt.com>,  
Subject: [125037] RE: Mobile whips  
Message-ID: <BF889CEBEFD2D511B993009027F60ABE15561C@AG-JASMINE-NT4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

> Resonance has nothing to do with efficiency. That's a myth.  
> According to  
> Maxwell, a properly tuned antenna system is at resonance.  
> Efficiency has  
> everything to do with loss.

I haven't made it that far in his book!! What I meant mostly on efficiency is if the tuner is of high quality. The way I would determine that would be to tune a 40m antenna on 20m with the tuner. Go QRO for a few mins, cut power and see how warm the coil got. That's where the efficiency comes to play. As far as resonance vs non, I agree. Also, resonant antennas just seem easier to use while in operation. It's easy to hear the resonant 'peaks' in the receiver while tuning. I don't have to look at any meters while driving.

> Using a tuner on a 40m Hamstick on 40m isn't a bad thing. Sure, the  
> losses are slightly higher than re-tuning the whip, but not  
> much, if any  
> different than the losses at resonance.

I disagree. There may not be that much loss in the antenna alone, but there will be in the tuner. Feedline is almost nonexistent - too short. Hmmm, never tried ladder line in a mobile...

> You can also make a relatively efficient mobile system with  
> an unloaded  
> whip and an efficient automatic matching device. (I think SGC  
> make such a  
> box) The efficiency becomes a matter of the components in the  
> matching

> network, not the "resonance" of the antenna.

Well... Yes. My thoughts are, the whip is only really good at one freq. You can coax the transmitter into almost anything, but the antenna really is only good on one freq.

> > Now, the Hamsticks are an excellent  
> > compromise - linear loaded antennas can easily be made for  
> about \$5 on a pvc  
> > pipe that will work wonders....  
>  
> I think the popularity of the Hamstick design is due to: a) cost, b)  
> ruggedness, c) efficiency.

Hey, don't forget good looking and less filling!

>  
> Hamsticks aren't expensive. They last quite a while in a mobile  
> environment. Their efficiency isn't great, but not horrible  
> (at least for  
> 40m and above). The Hustler system is probably more  
> efficient, since it  
> isn't loaded near the bottom like a screwdriver or a Hamstick.

I highly doubt the hustlers are more efficient. They've just been around a long time, so people use them as the 'standard'. A lumped close wound coil compared to a linear loaded antenna?? Don't think so... A screwdriver isn't loaded near the bottom. It's loaded at the first third of the antennea where the coil should be. On mine, with 13.5 feet of top whip, does move that down some, but the difference in antenna efficiency on 30 and below is mind blowing. 30m resonance is obtained with 2 turns of the coil in use. 40m has 5 and 80 has about 12 depending on where I am in the band. Compare this to a regular screwdriver where almost all 120 turns are used on 80. One of the major losses will be in the coil on these short antennas, the rest will be ground losses. That's why my antenna is mounted 5' above the ground. This system will resonate down to 2 Mhz. I'm working on a way to add a few more turns on the coil and I should be able to go 160-10... Not expecting 160 to be all that efficient mind you. If I can keep the bandwidth to a couple of KC, it might work pretty good.

72

.mark7

-----

Date: Thu, 18 Apr 2002 11:45:42 -0700  
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>  
Subject: [125038] 300 ohm twinlead  
Message-ID: <6506849CAEBBE24E913A22806016E406015024B2@blaze.bcsc.gov.bc.ca>  
Content-return: allowed  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Do any of the Canadian subscribers to this list know where I can purchase 300 ohm twinlead? It's just too expensive to get from the US these days. Thanks in advance.

Doug VA7DD

-----  
Date: Thu, 18 Apr 2002 14:48:53 -0400  
From: "John L. Sielke" <w2agn@w2agn.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [125039] Re: Mobile whips  
Message-ID: <02041814485320.07292@jsielke>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

On Thursday 18 April 2002 14:30, Jake Brodsky wrote:

> >The Hustler system is probably more efficient, since it  
> >isn't loaded near the bottom like a screwdriver or a Hamstick.  
>  
> Bill, if you look closely at a Ham Stick, you'll notice that the  
> actual loading coil is right below the set-screws of the steel whip.  
> It's not at the base.  
>  
> Judging from what Jerry Sevic wrote about the loading coils in  
> Hustler antennas, I have to wonder if there is really much improvement  
> over a ham-stick.

--

Well, all the antenna "experts" are really going at this one. Let me just add my totally subjective, unscientific observations.

1. The BEST mobile antenna I use is a Texas Bug Catcher, 4" diameter center coil, capacitive hat, whole thing is about 12', no problem working DX with K1, K2, or even my NC-40A.

2. Second best, oddly is the Hamstik antennas. I have a bumper mount on the "little" car (1981 VW Rabbit Diesel). I have tried both the Hustler and the Hamstick and the Hamstick beat the Hustler.

3. I have used a tuner to compensate for SWR when going from say, CW to phone. I would NOT recommend trying to use a 40M hamstick as a 40-10 antenna, with a tuner.

4. In a moment of idiocy, a year or so ago, I bought one of those SGC QMS-37 tuners, that mounts on the car with a whip, supposed to work all bands...JUNK! Sure, you get nice low SWR, but I switched from the QMS-37 with 8' whip, mounted high on the car, and the Bug Catcher. Signals that were S9 on the Bugcatcher were S1 on the QMS-37.

Consider, when you tune your antenna to resonance using the center coil, you have nice low SWR, and the coil radiates. Now, you use an unmatched antenna, tune the SWR down with a nice tuner in a metal box. The coils in the tuner want to radiate, but, duh, they're in a metal box, so only that RF which gets to the "antenna" can do you any good. I know, that's unscientific, and you BSEE's and PHD's can shoot all kinds of holes in it.

OK, all you "ex-spurts" Have at it!

-----  
John L Sielke W2AGN  
w2agn@w2agn.net  
<http://www.w2agn.net>  
Trustee: W3IYQ

Sure you can trust the government! Just ask an Indian!

-----  
Date: Thu, 18 Apr 2002 11:53:33 -0700  
From: Mark Schoonover <schoon@amgt.com>  
To: "'Mike Yetsko'" <myetsko@insydesw.com>,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [125040] RE: Mobile whips  
Message-ID: <BF889CEBEFD2D511B993009027F60ABE15561D@AG-JASMINE-NT4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Like I said in my last paragraph that you so nicely left out. Most anything will work when the bands are in good shape. If you want to be a jerk about it, email in private.

.mark

> -----Original Message-----

> From: Mike Yetsko [mailto:myetsko@insydesw.com]

> Sent: Thursday, April 18, 2002 11:26 AM

> To: schoon@amgt.com; Low Power Amateur Radio Discussion

> Subject: Re: Mobile whips

>

>

> Oh oh! Sounds pretty concrete!! I guess I'll just have to

> take the K2

> out

> of the Jeep and forget about using that whip on the mag mount....

>

> Mike

>

> ----- Original Message -----

> From: "Mark Schoonover" <schoon@amgt.com>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Thursday, April 18, 2002 12:08 AM

> Subject: RE: Mobile whips

>

>

> > Maybe less \$\$ but even less performance... Never run a tuner in a

> mobile.

> > Sure, it can load, but it will be far less efficient than a resonant

> antenna

> > like a screwdriver/bugcatcher. Now, the Hamsticks are an excellent

> > compromise - linear loaded antennas can easily be made for

> about \$5 on a

> pvc

> > pipe that will work wonders....

> >

> > --{ Mark E Schoonover KA6WKE

> > --{ Senior Hacker, IS Gopher, Hardware Fiend

> > --{ American Geotechnical

> > --{ <http://www.qsl.net/ka6wke>

> > --{ [ka6wke@amsat.org](mailto:ka6wke@amsat.org)

> >

> >           /\"

> >           \ /     ASCII Ribbon Campaign

> >           X     Against HTML Mail

> >           / \

> >

> >

> > ==={-----Original Message-----

> > ==={From: Bill ROWLETT [mailto:kc4atu@yahoo.com]

> > ==={Sent: Wednesday, April 17, 2002 6:56 PM

> > ==={To: Low Power Amateur Radio Discussion

> > ==={Subject: Mobile whips

```

> > ---=={
> > ---=={
> > ---=={You know, a 40 meter hamstick, LDG Z11 auto tuner, 10
> > ---=={to 40 meter coverage, fine tune from driver seat, and
> > ---=={a lot less expensive then any screwdriver type.
> > ---=={
> > ---=={Happy motoring
> > ---=={
> > ---=={73, Bill kc4atu
> > ---=={
> > ---=={
> > ---=={
> > ---=={Do You Yahoo!?
> > ---=={Yahoo! Tax Center - online filing with TurboTax
> > ---=={http://taxes.yahoo.com/
> > ---=={
> > ---=={
> >
> >
>
>

```

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Date: Thu, 18 Apr 2002 12:11:26 -0700
From: Mark Schoonover <schoon@amgt.com>
To: "'w2agn@w2agn.net'" <w2agn@w2agn.net>,
    Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [125041] RE: Mobile whips
Message-ID: <BF889CEBEFD2D511B993009027F60ABE15561E@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"

```

```

> 4. In a moment of idiocy, a year or so ago, I bought one of
> those SGC QMS-37
> tuners, that mounts on the car with a whip, supposed to work all
> bands...JUNK! Sure, you get nice low SWR, but I switched from
> the QMS-37 with
> 8' whip, mounted high on the car, and the Bug Catcher.
> Signals that were S9
> on the Bugcatcher were S1 on the QMS-37.

```

No real surprise there!

```

>
> Consider, when you tune your antenna to resonance using the
> center coil, you

```

> have nice low SWR, and the coil radiates. Now, you use an  
> unmatched antenna,  
> tune the SWR down with a nice tuner in a metal box. The coils  
> in the tuner  
> want to radiate, but, duh, they're in a metal box, so only  
> that RF which gets  
> to the "antenna" can do you any good. I know, that's  
> unscientific, and you  
> BSEE's and PHD's can shoot all kinds of holes in it.  
>  
> OK, all you "ex-spurts" Have at it!

Yup and with radiation resistance at an all time low on short  
antennas, there's not much to go around. This is the only resistance that  
contributes to spurting your signal out into the ether. All the rest simply  
turn the RF into a heater....

.mark

-----

Date: Thu, 18 Apr 2002 15:29:27 -0400  
From: Mike Czuhajewski <wa8mcq@comcast.net>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Cc: wa8mcq@comcast.net  
Subject: [125042] SMD parts--Baggybob still around  
Message-ID: <001301c1e70f\$5abf59a0\$33333044@gambrl01.md.comcast.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

It took a while, but Baggybob finally answered my e-mail. That's Bob Kasley  
(a former ham) of Lake Geneva, WI, the guy who's been at Dayton for several  
years with \$1 bags of SMD and leaded parts. (He says that's why people  
started calling him Baggybob.) He's still selling them, still has pretty  
much the same items, and that includes a lot of small capacitors as well as  
some tantalums. He also has an SMT resistor assortment. (Apparently he had  
his name changed for some reason; it used to be Kelly.)

He says he'll be at Dayton again this year, too. The space numbers will be  
4055 and 4056, same as always, although he says the physical location of  
those numbered spots seems to change every year :-). He also does business by  
mail, of course.

He doesn't have a web page, but his e-mail is still baggybob@exec.pc.com.

If anyone wants his latest list, send me e-mail and I'll forward it. Or if



anyone requests it, I'll post it here. I don't get anything by doing it; I'm just a very satisfied customer who has dropped well over a hundred dollars on him for SMT parts at Dayton over the years :-)

73 and queue our pea DE WA8MCQ

-----  
Date: Thu, 18 Apr 2002 13:36:34 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: qrp-l@lehigh.edu  
Subject: [125043] ARRL PSK-31 Bulletin request  
Message-ID: <Pine.LNX.4.44.0204181310300.2571-100000@Daisy.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

It occurs to me that there are today more Hams in the world on PSK-31 than Teletype. I'm a 50 year ham and recall my father coming to my room and asking "what is that noisy contraption?" which then was a Model 12 Teletype system. Teletype was wonderful in 1950 before packet radio and the internet were discovered. It transmitted the printed word.

PSK-31 has been implemented on both windows and linux operating systems. The most flexible I think is the digipan line which is still free software. I like version 1.6 and have it on both laptops. I have proven that psk-31 properly installed and hooked to a receiver with the AGC turned off, can support 15 QSO's on a single SSB channel.

I think the W1AW bulletin station should operate on the established psk-31 frequencies and suggest they follow the completion of the Teleprinter Bulletin at 3:30pm 4:30pm and 5:30pm daily. The psk-31 frequencies do change due to QRM and other factors. I will be happy to find them and send them to the ARRL.

Suggest that for the first 3 months you add a short bulletin to the PSK-31 group asking anyone using this mode to please send an e-mail to some address. This will get you data on how many people are listening.

--  
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.zianet.com/k5di/>

-----  
Date: Thu, 18 Apr 2002 15:32:17 -0400  
From: David Hinerman <WD8CIV@worldnet.att.net>  
To: qrp-l@lehigh.edu  
Subject: [125044] Re: SMD parts--Baggybob still around  
Message-ID: <5.1.0.14.1.20020418153125.00a72b30@ipostoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 03:29 PM 4/18/2002 -0400, you wrote:  
>He doesn't have a web page, but his e-mail is still baggybob@exec.pc.com.  
>  
>If anyone wants his latest list, send me e-mail and I'll forward it. Or if  
>anyone requests it, I'll post it here. I don't get anything by doing it; I'm  
>just a very satisfied customer who has dropped well over a hundred dollars  
>on him for SMT parts at Dayton over the years :-)

If somebody's keeping a list of parts suppliers, maybe they'd like a copy?  
I for one would like to see it.

Dave

-----  
"You can fool some of the people all of the time. That's enough to make a  
living." - Lance Burton  
-----

Dave Hinerman  
WD8CIV@worldnet.att.net

-----  
Date: Thu, 18 Apr 2002 20:44:05 -0700  
From: M0BST <park@full-moon.com>  
To: qrp-l@lehigh.edu  
Subject: [125045] Recommendations for SSB  
Message-ID: <3CBF9285.50CE@full-moon.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi all,

Yes I know CW is more effective for QRP and QRPp work but I have a

hankering to try SSB for a change! I've had no trouble generating it using a NE602. What I would like though is some designs for simple SSB TXVR's and I appreciate some recommendations. I'm not opposed to a kit either and if you built one and like it I'd appreciate hearing about it, but otherwise I'd really like some recommendations for schematics I should consider.

In order to to avoid cluttering up the list e-mail me direct.

Thanks, 72,

Mike M0BST  
GQRP 9598  
QRP-ARCI 10981

-----  
Date: Thu, 18 Apr 2002 16:04:09 -0400  
From: Jake Brodsky <frussle@erols.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [125046] Re: Mobile whips  
Message-ID: <g18ubug9ghu72s805e4colo3ojkkn3932o@4ax.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

On Thu, 18 Apr 2002 14:48:53 -0400, John L Sielke W2AGN wrote:

>1. The BEST mobile antenna I use is a Texas Bug Catcher, 4" diameter =  
center=20  
>coil, capacitive hat, whole thing is about 12', no problem working DX =  
with=20  
>K1, K2, or even my NC-40A.

I don't disagree. Note that I was using relative terms (one being  
"better" than the other). =20

>2. Second best, oddly is the Hamstik antennas. I have a bumper mount on =  
the=20  
>"little" car (1981 VW Rabbit Diesel). I have tried both the Hustler and =  
the=20  
>Hamstick and the Hamstick beat the Hustler.

And I'm not sure why this would be. I'd expect them to be similar in  
performance, but maybe the Hustler loading coils really are that bad.  
I don't know. =20

>3. I have used a tuner to compensate for SWR when going from say, CW to=  
=20  
>phone. I would NOT recommend trying to use a 40M hamstick as a 40-10 =  
antenna,=20  
>with a tuner.

Agreed. I doubt that anyone here was suggesting differently.

>4. In a moment of idiocy, a year or so ago, I bought one of those SGC =  
QMS-37=20  
>tuners, that mounts on the car with a whip, supposed to work all=20  
>bands...JUNK! Sure, you get nice low SWR, but I switched from the QMS-37=  
with=20  
>8' whip, mounted high on the car, and the Bug Catcher. Signals that were=  
S9=20  
>on the Bugcatcher were S1 on the QMS-37.=20  
>  
>Consider, when you tune your antenna to resonance using the center coil,=  
you=20  
>have nice low SWR, and the coil radiates. Now, you use an unmatched =  
antenna,=20  
>tune the SWR down with a nice tuner in a metal box. The coils in the =  
tuner=20  
>want to radiate, but, duh, they're in a metal box, so only that RF which=  
gets=20  
>to the "antenna" can do you any good. I know, that's unscientific, and =  
you=20  
>BSEE's andPHD's can shoot all kinds of holes in it.

That's one possibility, but I have to wonder if that's really what's going on. Here's another possibility: The coils in the SGC tuner are lossy. Here's yet another: Resistance (even if it's only one ohm) anywhere near the base of the antenna is BAD NEWS. All it takes is one marginal connection and you could be really screwed. Still another possibility: you had a short somewhere between the tuner output and the antenna. I think this is what I would have checked for first.

Given a coil with good Q, you should be able to load a vertical whip antenna from the base and get reasonable performance. It may not be quite as good as a center loaded antenna, but it ought to be within a few dB. The difference you saw is too dramatic for something like that. Keep in mind that many yachts use base loaded whip antennas with SGC tuners and their performance ain't all that bad. =20

Nobody should use a Hamstick or Hustler antenna because it radiates well. They should use it primarily because it's easy to install, it has minimal wind loading, and they're easy to change. =20

If you want performance on lower bands, get an antenna with a big, ugly loading coil in the middle. Something wound around a 9" form with 3/8" copper tubing is what I'm thinking about. Consider getting a large capacity hat too. Frankly, that's more hassle than I'm willing to put up with.

Otherwise, be content with bands from 30 meters and up. Efficiency is just too damned hard to get with smaller loading coils on lower frequencies. =20

73,

Jake Brodsky, <mailto:frussle@erols.com>  
"Nearly fifty percent of all graduates came from=20  
the bottom half of the class."

-----  
Date: Thu, 18 Apr 2002 16:40:50 -0400  
From: "Craig A. Ferris" <[cferris@aeronix.com](mailto:cferris@aeronix.com)>  
To: [qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)  
Subject: [125047] Baggybob webpage  
Message-ID: <3CBF2F52.65007903@aeronix.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

<http://www.qsl.net/mnqrp/baggy.txt>

72,  
Craig NR4E  
Melbourne, FL

-----  
Date: Thu, 18 Apr 2002 13:33:57 -0700  
From: Mark Schoonover <[schoon@amgt.com](mailto:schoon@amgt.com)>  
To: "'[frussle@erols.com](mailto:frussle@erols.com)'" <[frussle@erols.com](mailto:frussle@erols.com)>,  
Low Power Amateur Radio Discussion <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [125048] RE: Mobile whips  
Message-ID: <BF889CEBEFD2D511B993009027F60ABE15561F@AG-JASMINE-NT4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

> Given a coil with good Q, you should be able to load a vertical whip  
> antenna from the base and get reasonable performance. It may not be  
> quite as good as a center loaded antenna, but it ought to be within a  
> few dB. The difference you saw is too dramatic for something like  
> that. Keep in mind that many yachts use base loaded whip antennas  
> with SGC tuners and their performance ain't all that bad.

Sure. The main reason for that is they are above a nearly lossless  
ground - the water... I've run HF in a 40' sailboat and it was hands down  
one of the best mobile installs I've ever run.

> Nobody should use a Hamstick or Hustler antenna because it radiates  
> well. They should use it primarily because it's easy to install, it  
> has minimal wind loading, and they're easy to change.

That's why there are so popular. Great way to get started in HF  
mobile.

> If you want performance on lower bands, get an antenna with a big,  
> ugly loading coil in the middle. Something wound around a 9" form  
> with 3/8" copper tubing is what I'm thinking about.

If I can't easily add enough turns on my screwdriver to get to 160M,  
I might give this a try... Thanks for the idea.

72

.mark

-----  
Date: Thu, 18 Apr 2002 16:33:32 EDT  
From: NV9Z@aol.com  
To: qrp-l@lehigh.edu  
Subject: [125049] RE: Freq Counter  
Message-ID: <c6.a2f1848.29f0879c@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

The freq counter is spoken for. Thanks to all who sent inquiries.

72 de Chris NV9Z QRP-L #2370  
-----

Date: Thu, 18 Apr 2002 16:55:13 -0400  
From: "John L. Sielke" <w2agn@w2agn.net>  
To: Jake Brodsky <frussle@erols.com>,  
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [125050] Re: Mobile whips  
Message-ID: <02041816551323.07292@jsielke>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

On Thursday 18 April 2002 16:04, Jake Brodsky wrote:

>  
> That's one possibility, but I have to wonder if that's really what's  
> going on. Here's another possibility: The coils in the SGC tuner are  
> lossy. Here's yet another: Resistance (even if it's only one ohm)  
> anywhere near the base of the antenna is BAD NEWS. All it takes is  
> one marginal connection and you could be really screwed. Still  
> another possibility: you had a short somewhere between the tuner  
> output and the antenna. I think this is what I would have checked for  
> first.  
>

--

Well, great minds think alike. However, the whip screwed directly onto the  
QMS-37, so little likelihood of a short. (I DID check, by the way).  
Connecting a 50' piece of wire made it a "passible" antenna, but not too  
practical for mobile in motion.

-----  
John L Sielke W2AGN  
w2agn@w2agn.net  
<http://www.w2agn.net>  
Trustee: W3IYQ

Sure you can trust the government! Just ask an Indian!

-----  
Date: Thu, 18 Apr 2002 16:57:03 -0400  
From: "John L. Sielke" <w2agn@w2agn.net>  
To: Mark Schoonover <schoon@amgt.com>,  
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [125051] Re: Mobile whips  
Message-ID: <02041816570324.07292@jsielke>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

On Thursday 18 April 2002 16:33, Mark Schoonover wrote:

> > Given a coil with good Q, you should be able to load a vertical whip  
> > antenna from the base and get reasonable performance. It may not be  
> > quite as good as a center loaded antenna, but it ought to be within a  
> > few dB. The difference you saw is too dramatic for something like  
> > that. Keep in mind that many yachts use base loaded whip antennas  
> > with SGC tuners and their performance ain't all that bad.  
>  
> Sure. The main reason for that is they are above a nearly lossless  
> ground - the water... I've run HF in a 40' sailboat and it was hands down  
> one of the best mobile installs I've ever run.

--

Heck, I've used a homebrew SLV vertical (Vertical using 20' fiberglass  
"fishing pole") on the boat, against salt water ground. Best vertical I ever  
tried.

-----  
John L Sielke W2AGN  
w2agn@w2agn.net  
<http://www.w2agn.net>  
Trustee: W3IYQ

Sure you can trust the government! Just ask an Indian!

-----  
Date: Thu, 18 Apr 2002 16:56:20 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Cc: <park@full-moon.com>  
Subject: [125052] Re: Recomendations for SSB  
Message-ID: <00a901c1e71b\$82cd2420\$010044c0@chartermi.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Mike

There's a guy across the Irish Sea from you, EI9GQ, who has a whole bunch of  
homebrew projects, including a couple of transceivers that use them mic  
thingies. Since he's over your way, he even tends to favor the sorts of  
transistors you can get there.

He posts a lot to [rec.radio.amateur.homebrew](mailto:rec.radio.amateur.homebrew), and has a web page at:

<http://homepage.tinet.ie/~ei9gq/>



Also, Sheldon has some kits:

<http://www.rf-kits.demon.co.uk/>

QRPproject also has the Black Forest transceiver:

[http://www.qrpproject.de/black\\_forest\\_e.htm](http://www.qrpproject.de/black_forest_e.htm)

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr>  
didileydadidah      QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "M0BST" <park@full-moon.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Thursday, April 18, 2002 11:44 PM

Subject: Recomendations for SSB

> Hi all,

>

> Yes I know CW is more effective for QRP and QRPp work but I have a  
> hankering to try SSB for a change! I've had no trouble generating it  
> using a NE602. What I would like though is some designs for simple SSB  
> TXVR's and I appreciate some recomendations. I'm not opposed to a kit  
> either and if you built one and like it I'd appreciate hearing about it,  
> but otherwise I'd really like some recomendations for schematics I  
> should consider.

>

> In order to to avoid cluttering up the list e-mail me direct.

>

> Thanks, 72,

>

> Mike M0BST

> GQRP 9598

> QRP-ARCI 10981

>

-----

Date: Thu, 18 Apr 2002 14:01:18 -0700

From: Mark Schoonover <schoon@amgt.com>

To: "'John L. Sielke'" <w2agn@w2agn.net>,  
Mark Schoonover <schoon@amgt.com>,

Subject: [125053] RE: Mobile whips

Message-ID: <BF889CEBEFD2D511B993009027F60ABE155621@AG-JASMINE-NT4>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

> Heck, I've used a homebrew SLV vertical (Vertical using 20'  
> fiberglass  
> "fishing pole") on the boat, against salt water ground. Best  
> vertical I ever  
> tried.

Yeah, and you could probably leave it up while under way!

.mark

-----

Date: Thu, 18 Apr 2002 17:12:57 -0400  
From: "Ken Newman" <n2cq@dandy.net>  
To: "N4SO" <N4SO@Juno.com>, "W3BG" <W3BG@arrl.net>,  
"N9AVG" <N9AVG@amsat.org>,  
Cc: "Ken Newman" <N2CQ@arrl.net>  
Subject: [125054] [Contest] QRP Homebrewer Sprint Logs - Last Call  
Message-ID: <00c901c1e71d\$d175a320\$bd881c42@18.95.182.twsn1.md.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Sprinters,  
Thanks for the entries from many of you! Some have come via e-mail and USPO  
and  
it is more than the previous Sprint. The band news..... there have been a  
number of  
excellent scores that haven't submitted so far. As many know, certificates  
and prizes  
are available and the amount of same is based on ENTRIES!  
If sent USPO, include your e-mail address or an SASE if results requested.  
(QSL from WQ2RP would be included.)  
Please take some time and enter your log to the below address or e-mail:

Ken Newman, N2CQ  
81 Holly Drive  
Woodbury, NJ 08096

N2CQ@ARRL.NET

Contest rules: <http://www.njqrp.org/data/qrp-homebrewers-sprint.html>

-----  
Date: Thu, 18 Apr 2002 17:15:10 -0400  
From: Bill Coleman <aa4lr@arrl.net>  
To: <ed.kwik@delphiauto.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [125055] Re: OT two element yagi question  
Message-ID: <20020418211635.ZZBC7288.imf12bis.bellsouth.net@[192.168.0.20]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 4/8/02 2:32 PM, Kwik, Ed at ed.kwik@delphiauto.com wrote:

>Gain: 10.73 dBi  
>F/B: 19.72 dB  
>1.5 SWR bandwidth: 21.0 to 21.09  
>  
>This seems to be a pretty good performer. About as much gain and F/B  
>ratio as you can expect from a two element array.

That seems like a surreal gain for a 2 element array. That's 8.63 dBd. I dunno if that's physically possible with just two elements

>Should be cheap to put  
>together using PVC. My question is on the DIR length. The spacing, and  
>driven element lengths seem OK. I picked .05 wavelength spacing based on  
>readings from L. B. Cebik.

Seems darned close, but whatever. The ARRL Handbook 2000 shows the optimal spacing for gain in a 2 element array is 0.1 wavelength.

>I question the DIR length of only 0.72 inches  
>shorter than the DE.

Considering the close spacing, that's not surprising.

> When I used the more conventional 4% less than the  
>DE, I could not get the feed point impedance down below an SWR of 5 to 1  
>using 50 ohms as a reference.

Did you try a further spacing? After all, the conventional 4% uses a conventional spacing of 0.1 to 0.25 wavelength.

>Am I doing something wrong? Or is the 4% convention not valid for a DE  
>with a 450 ohm characteristic impedance?

I think it is more an effect of the close spacing, but yeah, if the two

elements aren't the same materials, then the conventional rules go out the window.

Build it. I bet it would work.

Bill Coleman, AA4LR, PP-ASEL                      Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Thu, 18 Apr 2002 17:02:45 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <qrp-1@Lehigh.EDU>  
Subject: [125056] Idea for digital logging for Field Day?  
Message-ID: <009f01c1e724\$c587ba10\$4e100a0a@rohredt2000>

Hi folks, its that time of year again, Field Day coming.

I was just given a Sharp personal organizer, ie electronic phone and address book with serial port with offer of free Windows software to unload contents to Microsoft 98 to 2000 and Office.

That got me to thinking, no one wants to volunteer their laptops for all of Field Day. And batteries for them is always a problem. The address fields alone seem to hold enough bits for the exchange of a log of thousands of contacts, and thus the main question was how long it takes to log on one of these, and for me it was about 20 seconds, but I am having to manipulate a small keyboard, and separate number pad. How does that compare to PC logging?

How long do the button cells powering these organizers work if you are constantly entering data? Any salesmen out there or other big users of contact names/phones?

The organizer I have seems to automatically "dupe" in that if you enter a call as a name field, and there is already that entry it shows the rest of the fields, and thus you would know it is a dupe. Anyone tried this before for logging a contest?

Now, I realize you might have to do a translation once you are in Windows machine to get to the Cabrillo Log format for electronic log submission, but I was thinking of just doing this and printing the entries since all you have to send in for field day is a dupe sheet, or call sign list and not a full log. You could enter time as if it was a phone number, too, as there

are several lines in just the phone file.

Those organizers are a lot less costly if they do not survive Field Day than a brand new laptop!

72,

Stuart K5KVH

-----  
Date: Thu, 18 Apr 2002 15:20:43 -0700  
From: Mighty Mik <mightymik2@attbi.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [125057] Back to spark gap?  
Message-ID: <5.1.0.14.0.20020418151708.00b53ec8@mail.attbi.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Anyone seen this yet? Something called 'ultra wide band'.

<http://www.sciam.com/2002/0502issue/0502leeper.html>

-----  
Date: Thu, 18 Apr 2002 18:22:34 -0400  
From: Bill Coleman <aa4lr@arrl.net>  
To: <w2agn@w2agn.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [125058] Re: QRP Police ARE Watching  
Message-ID: <20020418222358.JPMV10878.imf00bis.bellsouth.net@[192.168.0.20]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 4/13/02 3:32 PM, John L. Sielke at w2agn@w2agn.net wrote:

>W2AGN: QRL?  
>QRPP: QRP FREQ  
>W2AGN: QRP HR  
>QRPP: OK GA  
>W2AGN: CQ CQ TEST....etc.

John, you need to us a crummier antenna. Clearly you were too loud to be "real" QRP....

Bill Coleman, AA4LR, PP-ASEL

Mail: aa4lr@arrl.net

Quote: "Not within a thousand years will man ever fly!"  
-- Wilbur Wright, 1901

-----  
Date: Thu, 18 Apr 2002 18:29:42 -0400  
From: David Hinerman <wd8civ@worldnet.att.net>  
To: qrp-l@lehigh.edu  
Subject: [125059] Re: Idea for digital logging for Field Day?  
Message-ID: <3.0.6.32.20020418182942.00798160@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 05:02 PM 4/18/02 -0500, you wrote:

>I was just given a Sharp personal organizer, ie electronic phone and address  
>book with serial port with offer of free Windows software to unload contents  
>to Microsoft 98 to 2000 and Office.

>

>That got me to thinking, no one wants to volunteer their laptops for all of  
>Field Day. And batteries for them is always a problem. The address fields  
>alone seem to hold enough bits for the exchange of a log of thousands of  
>contacts, and thus the main question was how long it takes to log on one of  
>these, and for me it was about 20 seconds, but I am having to manipulate a  
>small keyboard, and separate number pad. How does that compare to PC  
>logging?

>

>How long do the button cells powering these organizers work if you are  
>constantly entering data? Any salesmen out there or other big users of  
>contact names/phones?

Stuart,

Most handheld organizers are intended to be turned on and off frequently,  
and remain on for only a few seconds or minutes at a time while the user  
makes or retrieves an entry. As you pointed out, it takes about 20 seconds.  
My Palm M105 goes through a pair of AAA batteries in a month or two of  
infrequent use. (Of course, it's a Palm. YMMV.)

>Now, I realize you might have to do a translation once you are in Windows  
>machine to get to the Cabrillo Log format for electronic log submission, but  
>I was thinking of just doing this and printing the entries since all you  
>have to send in for field day is a dupe sheet, or call sign list and not a  
>full log. You could enter time as if it was a phone number, too, as there  
>are several lines in just the phone file.

Depending on the format of an exported file, maybe an Excel macro could do  
translation. For that matter, maybe it's possible to import organizer files

into Excel or some other application directly from the sync software.  
Palmtops are regarded as an extension of the user interface of more robust computer applications. Maybe most of the work is done already?

>Those organizers are a lot less costly if they do not survive Field Day than  
>a brand new laptop!

No kidding! That's why I bought the Palm - I couldn't afford a laptop, and I mostly needed something to enter and edit text while away from the office. I have to admit that for a simple contact manager, my wife's Royal organizer is a better deal. It came bundled with a keyboard (my Palm didn't), docking station and software for \$80. I've since seen them for less. The Royal doesn't quite fit my needs, but it sounds like the contact manager would handle your logging needs.

Dave

-----  
Dave Hinerman  
WD8CIV@worldnet.att.net

-----  
Date: Thu, 18 Apr 2002 22:31:06 +0000  
From: "Alan Fryer" <N3BJ@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [125060] FS: Heathkit HFT-9A Tuner  
Message-ID: <0E29aqbC8wSA1XvpFVj00000f41@hotmail.com>

In nice shape, a few very minor scratches on cover, face excellent, works fine.  
Original knobs no mods, no manual.

\$45.00 shipped

Alan, N3BJ  
Bent Mountain, VA

-----  
Date: Thu, 18 Apr 2002 16:55:46 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [125061] Re: 300 ohm twinlead  
Message-ID: <Pine.LNX.4.33.0204181655330.6876-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

How about Radio Shack Doug?...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -  
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

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End of QRP-L Digest 2529

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